

# Hepatocyte Growth Factor Receptor/HGF R/cMet Biotinylated Recombinant Protein | HGFR/cMet recombinant protein

Recombinant Human Hepatocyte Growth Factor Receptor/HGF R/cMet (C-6His-Avi) Biotinylated

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|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA177956</b> | HOST<br><b>Human Cells</b> |
|-------------------------------|----------------------------|

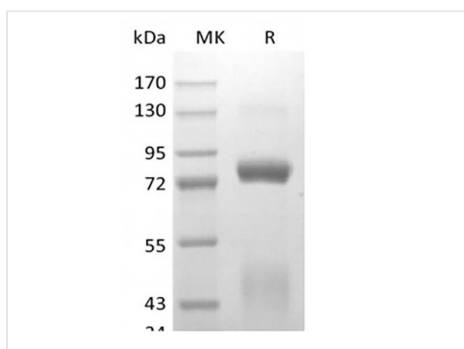
## PRODUCT SYNONYMS

Hepatocyte Growth Factor Receptor/HGF R/cMet Biotinylated; Recombinant Human Hepatocyte Growth Factor Receptor/HGF R/cMet (C-6His-Avi) Biotinylated; Hepatocyte growth factor receptor; HGF receptor; HGF/SF receptor; Proto-oncogene c-Met; Scatter factor receptor; SF receptor; Tyrosine-protein kinase Met; MET; HGFR/cMet recombinant protein

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                               |
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| Host                    | Human Cells                                                                                                                                                                                                                                                                                                                                   |
| Purity/Purification     | >95% as determined by reducing SDS-PAGE                                                                                                                                                                                                                                                                                                       |
| Form/Format             | Lyophilized from a 0.2um filtered solution of PBS, pH7.4.                                                                                                                                                                                                                                                                                     |
| Sequence                | Glu25-Thr9 32                                                                                                                                                                                                                                                                                                                                 |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                         |
| Tag                     | C-6His-Avi                                                                                                                                                                                                                                                                                                                                    |
| Endotoxin               | <1.0EU per ug as determined by the LAL method.                                                                                                                                                                                                                                                                                                |
| Protein Construction    | Biotinylated Recombinant Human Hepatocyte Growth Factor Receptor is produced by our Mammalian expression system and the target gene encoding Glu25-Thr932 is expressed with a 6His, Avi tag at the C-terminus.                                                                                                                                |
| Preparation and Storage | Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 degree C. Reconstituted protein solution can be stored at 4-8 degree C for 2-7 days. Aliquots of reconstituted samples are stable at < -20 degree C for 3 months.<br>This product is provided as lyophilized powder which is shipped with ice packs. |

## IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

|                                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for HGFR/cMet recombinant protein | Hepatocyte growth factor receptor (HGF R) is a glycosylated receptor tyrosine kinase that plays a central role in epithelial morphogenesis and cancer development. HGF R is synthesized as a single chain precursor which undergoes cotranslational proteolytic cleavage. Mature HGF R is a disulfide-linked dimer composed of a 50kDa extracellular alpha chain and a 145kDa transmembrane beta chain. Proteolysis and alternate splicing generate additional forms of human HGF R which either lack of the kinase domain, consist of secreted extracellular domains, or are deficient in proteolytic separation of the alpha and beta chains. The sema domain, which is formed by both alpha and beta chains of HGF R, mediates both ligand binding and receptor dimerization. HGF stimulation induces HGF R downregulation via internalization and proteasomedependent degradation. Paracrine induction of epithelial cell scattering and branching tubulogenesis results from the stimulation of HGF R on undifferentiated epithelium by HGF released from neighboring mesenchymal cells. |
| Product Categories/Family for HGFR/cMet recombinant protein   | Signal Transduction; Cancer; epigenetics and nuclear signal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                               |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 42741655                                                                                                                                                                                      |
| NCBI GeneID                      | 4233                                                                                                                                                                                          |
| NCBI Accession #                 | NP_000236.2                                                                                                                                                                                   |
| NCBI GenBank Nucleotide #        | NM_000245.2                                                                                                                                                                                   |
| UniProt Accession #              | P08581; O60366; Q12875; Q9UDX7; Q9UPL8; A1L467; B5A932; E7EQ94                                                                                                                                |
| Molecular Weight                 | 155,541 Da                                                                                                                                                                                    |
| NCBI Official Full Name          | hepatocyte growth factor receptor isoform b                                                                                                                                                   |
| NCBI Official Synonym Full Names | met proto-oncogene (hepatocyte growth factor receptor)                                                                                                                                        |
| NCBI Official Symbol             | MET                                                                                                                                                                                           |
| NCBI Official Synonym Symbols    | HGFR; AUTS9; RCCP2; c-Met                                                                                                                                                                     |
| NCBI Protein Information         | hepatocyte growth factor receptor; SF receptor; HGF receptor; HGF/SF receptor; proto-oncogene c-Met; scatter factor receptor; tyrosine-protein kinase Met; met proto-oncogene tyrosine kinase |
| UniProt Protein Name             | Hepatocyte growth factor receptor                                                                                                                                                             |
| UniProt Gene Name                | MET                                                                                                                                                                                           |
| UniProt Synonym Gene Names       | HGF receptor; SF receptor                                                                                                                                                                     |
| UniProt Entry Name               | MET_HUMAN                                                                                                                                                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.