

## Heparanase-2 (HPSE2) Recombinant Protein | HPSE2 recombinant protein

Recombinant Human Heparanase-2 (HPSE2)

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| CATALOG #<br><b>AAA117591</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
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### PRODUCT SYNONYMS

Heparanase-2 (HPSE2); Recombinant Human Heparanase-2 (HPSE2); HPSE2 recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Sequence Positions      | 42-592aa; Full Length of Mature Protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Sequence                | GDRRPLPVDR AAGLKEKTLI LLDVSTKNPV RTVNENFLSL QLDPSIIHDG WLDFLSSKRL VTLARGLSPA<br>FLRFGGKRTD FLQFQNLNRP AKSRGGPGPD YYLKNYEDDI VRSDVALDKQ KGCKIAQHPD VMLELQREKA<br>AQMHLVLLKE QFSNTYSNLI LTARSLDKLY NFADCSGLHL IFALNALRRN PNNSWNSSSA LSLKYSASK<br>KYNISWELGN EPNNYRTMHG RAVNGSQLGK DYIQLKSLLQ PIRIYSRASL YGPNIGRPRK NVIALLDGFM<br>KVAGSTVDAV TWQHCYIDGR VVKVMDFLKT RLLDTLSDQI RKIQKVNTY TPGKKIWLEG VVTSAGGTN<br>NLSDSYAAGF LWLNTLGMLA NQGIDVVIRH SFFDHGYNHL VDQNFNPLPD YWLSLLYKRL IGPKVLAVHV<br>AGLQRKPRPG RVIRDKLRIY AHCTNHHNHN YVRGSITFI INLHRSRKKI KLAGTLRDKL VHQYLLQPYG<br>QEGLKSKSVQ LNGQPLVMVD DGTLPCLKPR PLRAGRTLVI PPVTMGFYVV KVNALACRY R |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Preparation and Storage | Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.                                                                                                                                                                                                                                                                                                                                                                                                                                            |

### ADDITIONAL INFORMATION

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| Related Product Information for HPSE2 recombinant protein | This gene encodes a heparanase enzyme. The encoded protein is a endoglycosidase that degrades heparin sulfate proteoglycans located on the extracellular matrix and cell surface. This protein may be involved in biological processes involving remodeling of the extracellular matrix including angiogenesis and tumor progression. Alternate splicing results in multiple transcript variants. |
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### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">261878503</a>                                                                                                                                                                             |
| NCBI GeneID                      | <a href="#">60495</a>                                                                                                                                                                                 |
| NCBI Accession #                 | <a href="#">NP_001159716.1</a>                                                                                                                                                                        |
| NCBI GenBank Nucleotide #        | <a href="#">NM_001166244.1</a>                                                                                                                                                                        |
| UniProt Accession #              | <a href="#">Q8WWQ2</a> ; <a href="#">Q5VUH4</a> ; <a href="#">Q5VUH5</a> ; <a href="#">Q5VUH6</a> ; <a href="#">Q8WWQ1</a> ; <a href="#">Q9HB37</a> ; <a href="#">Q9HB38</a> ; <a href="#">Q9HB39</a> |
| Molecular Weight                 | 53,917 Da                                                                                                                                                                                             |
| NCBI Official Full Name          | inactive heparanase-2 isoform 2                                                                                                                                                                       |
| NCBI Official Synonym Full Names | heparanase 2 (inactive)                                                                                                                                                                               |

|                               |                       |
|-------------------------------|-----------------------|
| NCBI Official Symbol          | HPSE2                 |
| NCBI Official Synonym Symbols | UFS; HPA2; HPR2; UFS1 |
| NCBI Protein Information      | inactive heparanase-2 |
| UniProt Protein Name          | Inactive heparanase-2 |
| UniProt Gene Name             | <b>HPSE2</b>          |
| UniProt Synonym Gene Names    | HPA2; Hpa2            |

**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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://www.aaabiotech.com/hpse2-recombinant-protein-e-coli/117591>