

ACK recombinant protein

ACK, Active

CATALOG # AAA73202	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

ACK; Active; TNK2; ACK1; FLJ44758; FLJ45547; p21cdc42Hs; ACK recombinant protein

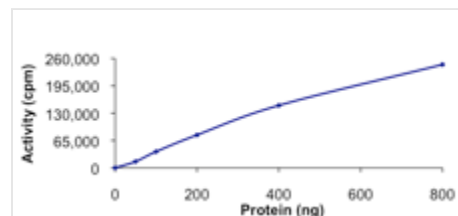
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for ACK recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES


SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.


Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for ACK recombinant protein	Recombinant human ACK (110-476) was expressed by baculovirus in Sf9 insect cells using an N-terminal The gene accession number is NM_005781. ACK is a tyrosine kinase that binds CDC42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of CDC42Hs (1). Overexpression of ACK in cancer cell lines of epithelial origin increases cellular motility and invasiveness. In a mouse model, ACK overexpression enhances the ability of a human breast cancer cell line to metastasize to the lung and increased mortality (2). Ligand stimulation of alpha-3 beta-1 integrin leads to activation of ACK which then enhances p130CAS phosphorylation and activation of RAC.
Product Categories/Family for ACK recombinant protein	Protein Kinases; Cancer; Cytoplasmic Tyrosine Kinases; ERK/MAPK Pathway; Inflammation; Invasion/Metastasis; Neurobiology; Receptor Tyrosine Kinases

References

- 1.Manser, E. et al: A non-receptor tyrosine kinase that inhibits the GTPase activity of p21cdc42. Nature 363: 364-367, 1993.
- 2.van der Horst, E. H.; Metastatic properties and genomic amplification of the tyrosine kinase gene ACK1. Proc. Nat. Acad. Sci. 102: 15901-15906, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_005781](#)

Molecular Weight

~66kDa

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.

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Online datasheet: <https://www.aaabiotech.com/ack-recombinant-protein-sf9-wb-western-blot-kinase-assay/73202>