

EphA3 active protein

Recombinant mouse EphA3 protein

CATALOG # AAA48999	HOST HEK293	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

EphA3; Recombinant mouse EphA3 protein; ephrin type-A receptor 3; ephrin type-A receptor 3 isoform1; receptor protein-tyrosine kinase; EPH-like kinase 4; tyrosine-protein kinase TYRO4; tyrosine-protein kinase receptor ETK1; EpHreceptor A3; AW492086; Cek4; EK4; End3; ETK1; Hek; Hek4; Mek4; Tyro4; EphA3 active protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid in. Phosphate-Buffered Saline (pH7.4) containing 10% glycerol
Concentration	1mg/ml (determined by Absorbance at 280nm) (varies by lot)
Sequence Positions	21-541aa
Sequence	Glu21 E LSPQPSNEVN LLDSTIQGE LGWISYPSHG WEEISGVDEH YTPIRTYQVC NVMDHSQNNW LRTNWVPRNS AQKIYVELKF TLRDCNSIPL VLGTCKETFN LYMESDDDH GVKFREHQFT KIDTIAADES FTQMDLGDR LKLNTEIREV GPVNKKGFYL AFQDVGACVA LVSVRVYFKK CPFTVKNLAM FPDTPMDSQ SLVEVRGSCV NNSKEEDPPR MYCSTEGEWL VPIGKCTCNA GYEERGFICQ ACRPGFYKAS DGAAKCAKCP PHSSTQEDGS MNCRCENNYF RAEKDPPSMA CTRPPSAPRN VISNINETSV ILDWSWPLDT GGRKDITFNI ICKKCGWNVR QCEPCSPNVR FLPRQLGLTN TTVTVTDLLA HTNYTFEIDA VNGVSELSSP PRQYAAVSIT TNQAAPSPVM TIKKDRTSRN SISLSWQEPE HPNGIILDYE VKYYEKQEQE TSYTILRARG TNVTISLKP DTTYVFQIRA RTAAGYGTNS RKFEFETSPD SFSISGENSH
Applicable Applications for EphA3 active protein	Bioactivity, SDS-PAGE
Species	Mouse
Endotoxin	< 1 EU per 1ug of protein (determined by LAL method)
Tag	His-Tag
Preparation and Storage	Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

ADDITIONAL INFORMATION

Related Product Information for EphA3 active protein	EphA3 is a protein-tyrosine kinase that belongs to the ephrin receptor subfamily. It has an extracellular region with a Cys-rich domain and two fibronectin type III repeats, and a single kinase domain. EphA3 and other EPH-related receptors are involved in various developmental processes, especially in the nervous system. EphA3 interacts with EFNB2 and EFNA5, and is expressed in the forebrain, retinal axons, some motor neurons in the spinal cord, and the heart during development. It regulates axonal guidance and organ formation. It is also found on some blood and solid tumor cells, and on astrocytes near injured nerve tissue. Recombinant mouse EphA3, fused to His-tag at C-terminus, was expressed in HEK293 cell and purified by using conventional chromatography techniques.
Product Categories/Family for EphA3 active protein	Angiogenesis, Cardiovascular; Proteins

References	Kudo, C. et al. (2005) J. Comp. Neurol. 487:255-269. Kilpatrick, T.J. et al. (1996) Mol. Cell. Neurosci. 7:62-74. Stephen, L.J. et al. (2007) Dev. Biol. 302:66-79. Merlos-Suarez, A. and E. Batlle (2008) Curr. Opin. Cell Biol. 20:194-200.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31982448
NCBI GeneID	13837
NCBI Accession #	NP_034270.1
NCBI GenBank Nucleotide #	NM_010140.3
UniProt Accession #	Q8BRB1; P29319
Molecular Weight	109,955 Da
NCBI Official Full Name	ephrin type-A receptor 3
NCBI Official Synonym Full Names	Eph receptor A3
NCBI Official Symbol	Epha3
NCBI Official Synonym Symbols	Hek; Cek4; ETK1; End3; Hek4; Mek4; Tyro4; AW492086
NCBI Protein Information	ephrin type-A receptor 3; EK4; EPH-like kinase 4; tyrosine-protein kinase TYRO4; tyrosine-protein kinase receptor ETK1
UniProt Protein Name	Eph receptor A3
UniProt Gene Name	Epha3
UniProt Entry Name	Q8BRB1_MOUSE

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://stage.aaabiotech.com/hek293-active-protein/epha3/48999>