

Ephrin A3 Active Protein | EFNA3 active protein

Ephrin A3 Protein, Mouse, Recombinant (His Tag)

CATALOG #
AAA258179

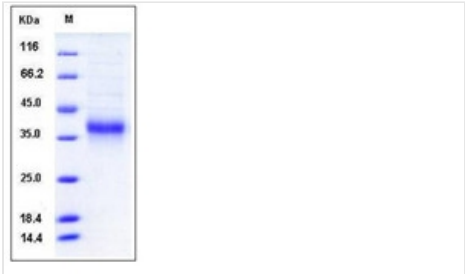
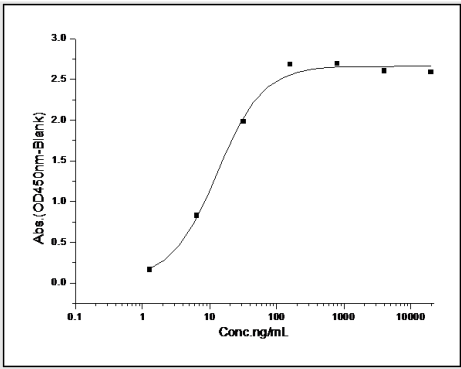
HOST
HEK293 Cells

PRODUCT SYNONYMS

Ephrin A3; Ephrin A3 Protein; Mouse; Recombinant (His Tag); Mouse Ephrin-A3/EFNA3 Protein (His Tag); AW494418 Protein; EFL-2 Protein; Ehk1-L Protein; Epl3 Protein; LERK-3 Protein; ephrin-A3; EFNA3 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	>92% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Sequence	Met1-Ser20 5
Species	Mouse
Activity	Measured by its binding ability in a functional ELISA. Immobilized mouse EphrinA3 at 1ug/ml (100uL/well) can bind mouse EPHA6 with a linear range of 6.25-400ng/mL.
Endotoxin	<1.0EU per ug of the protein as determined by the LAL method
Predicted N Terminal	Gln 23
Tag	C-His
Protein Construction	A DNA sequence encoding the mouse EFNA3 (NP_034238.1) without the pro peptide (Met 1-Ser 205) was expressed, with a polyhistidine tag at the C-terminus.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.



SDS-PAGE

Application Data
Measured by its binding ability in a functional ELISA. Immobilized mouse EphrinA3 at 1 ug/ml (100 ul/well) can bind mouse EPHA6 with a linear ranger of 6.25-400 ng/ml.

ADDITIONAL INFORMATION

Related Product Information for EFNA3 active protein	Background: Ephrin-A3 also known as EPH-related receptor tyrosine kinase ligand 3 or EFNA3, is a member of the ephrin family. The Eph family receptor interacting proteins (ephrins) are a family of proteins that serve as the ligands of the Eph receptor, which compose the largest known subfamily of receptor protein-tyrosine kinases (RTKs). Ephrin-A3 and their Eph family of receptor tyrosine kinases are expressed by cells of the SVZ. Ephrin subclasses are further distinguished by their mode of attachment to the plasma membrane: Ephrin-A3 ligands bind EphA receptors and are anchored to the plasma membrane via a glycosylphosphatidylinositol (GPI) linkage, whereas ephrin-B ligands bind EphB receptors and are anchored via a transmembrane domain. Ephrin-A3 expressed on astrocytes activates EphA4 on the post-synaptic neuron and restricts the growth of dendritic spines through multiple pathways.
References	Klein R. (2009) Bidirectional modulation of synaptic functions by Eph/ephrin signaling. Nat Neurosci. 12(1): 15-20.Lai KO, et al. (2009) Synapse development and plasticity: roles of ephrin/Eph receptor signaling. Curr Opin Neurobiol. 19(3): 275-83.Prevost N, et al. (2002) Interactions between Eph kinases and ephrins provide a mechanism to support platelet aggregation once cell-to-cell contact has occurred. Proc Natl Acad Sci U S A. 99(14): 9219-24.

NCBI AND UNIPROT INFORMATION

NCBI GI #	117935036
NCBI GeneID	13638
NCBI Accession #	NP_034238.1
NCBI GenBank Nucleotide #	NM_010108.1
UniProt Accession #	O08545; O55217; Q08AV0
Molecular Weight	25,632 Da
NCBI Official Full Name	ephrin-A3
NCBI Official Synonym Full Names	ephrin A3
NCBI Official Symbol	Efna3
NCBI Official Synonym Symbols	Epl3; EFL-2; Ehk1-L; LERK-3; AW494418
NCBI Protein Information	ephrin-A3; EHK1 ligand; EPH-related receptor tyrosine kinase ligand 3
UniProt Protein Name	Ephrin-A3
UniProt Gene Name	Efna3
UniProt Synonym Gene Names	Epl3; Eplg3; Lerk3; EHK1-L; LERK-3

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/hek293-efna3-active-protein/ephrin-a3/258179>