

Ephrin Type-A Receptor 3 (EPHA3) Active Protein | EPHA3 active protein

Recombinant Human Ephrin Type-A Receptor 3 (EPHA3), Partial (Active)

CATALOG # AAA243729	HOST Mammalian cell
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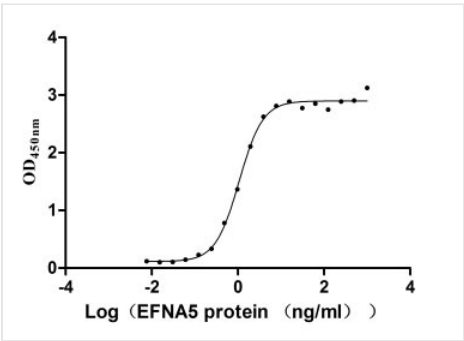
PRODUCT SYNONYMS

Ephrin Type-A Receptor 3 (EPHA3); Recombinant Human Ephrin Type-A Receptor 3 (EPHA3); Partial (Active); EPH-like kinase 4; EK4; hEK4; HEK; Human embryo kinase; Tyrosine-protein kinase TYRO4; Tyrosine-protein kinase receptor ETK1; Eph-like tyrosine kinase 1; ETK; ETK1; TYRO4; EPHA3 active protein

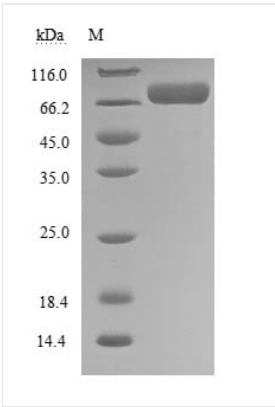
PRODUCT SPECIFICATIONS

Host	Mammalian cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized from a 0.2 um filtered 20 mM Tris-HCl, 0.5 M NaCl, 6% Trehalose, pH 8.0.
Sequence Positions	21-541aa; Partial
Sequence	ELIPQPSNEV NLLDSKTIQG ELGWISYP SH GWEEISGVDE HYTPIRTYQV CNVMDHSQNN WLRTNWVPRN SAQKIYVELK FTLRDCNSIP LVLGTCKETF NLYYMESDDD HGVKFREHQF TKIDTIADE SFTQMDLGDR ILKLNTEIRE VGPVNKKG FY LAFQDVGACV ALVSVRVYFK KCPFTVKNLA MFPDTPVMD S QSLVEVRGSC VNNSKEEDPP RMYCSTEGEW LPIGKCSN AGYEERG FMC QACRPGFYKA LDGNMCKAKC PPHSSTQEDG SMNCRCENNY FRADKDPPSM ACTRPPSSPR NVISNINETS VILDWSWPLD TGGRKDVTFN IICKKCGWNI KQCEPCSPNV RFLPRQFGLT NTTVTVDLL AHTNYTFEID AVNGVSELSS PPRQFAAVSI TTNQAAPSPV LTIKKDRTSR NSISLSWQEP EHPNGIILDY EVKYEEKQEQ ETSYTILRAR GTNVTISL K PDTIYVFQIR ARTAAGYGTN SRKFEFETSP DSFSISGESS Q
Sequence Length	983
Species	Human
Tag	C-terminal 6xHis-tagged
Endotoxin	Less than 1.0 EU/ug as determined by LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized EPHA3 at 2 ug/ml can bind human EFNA5 , the EC50 of the protein is 0.9734-1.179 ng/ml.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Preparation and Storage	Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.

IMAGES



Bioactivity



SDS-PAGE
Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

ADDITIONAL INFORMATION

Related Product Information for EPHA3 active protein	Receptor tyrosine kinase which binds promiscuously membrane-bound ephrin family ligands residing on adjacent cells, leading to contact-dependent bidirectional signaling into neighboring cells. The signaling pathway downstream of the receptor is referred to as forward signaling while the signaling pathway downstream of the ephrin ligand is referred to as reverse signaling. Highly promiscuous for ephrin-A ligands it binds preferentially EFNA5. Upon activation by EFNA5 regulates cell-cell adhesion, cytoskeletal organization and cell migration. Plays a role in cardiac cells migration and differentiation and regulates the formation of the atrioventricular canal and septum during development probably through activation by EFNA1. Involved in the retinotectal mapping of neurons. May also control the segregation but not the guidance of motor and sensory axons during neuromuscular circuit development.
Product Categories/Family for EPHA3 active protein	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361241
NCBI GeneID	2042
NCBI Accession #	NP_005224.2
NCBI GenBank Nucleotide #	NP_005224.2
UniProt Accession #	P29320
Molecular Weight	61.0 kDa
NCBI Official Full Name	ephrin type-A receptor 3 isoform a
NCBI Official Synonym Full Names	EPH receptor A3
NCBI Official Symbol	EPHA3
NCBI Official Synonym Symbols	EK4; ETK; HEK; ETK1; HEK4; TYRO4
NCBI Protein Information	ephrin type-A receptor 3
UniProt Protein Name	Ephrin type-A receptor 3
UniProt Gene Name	EPHA3
UniProt Synonym Gene Names	ETK; ETK1; HEK; TYRO4; EK4; hEK4; Human embryo kinase
UniProt Entry Name	EPHA3_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.

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Online datasheet: <https://www.aaabiotech.com/mammalian-active-protein/ephrin-type-a-receptor-3-epha3/243729>