

EPHB4 recombinant protein

Recombinant EPHB4 (561-987) protein

CATALOG # AAA60367	HOST Baculovirus
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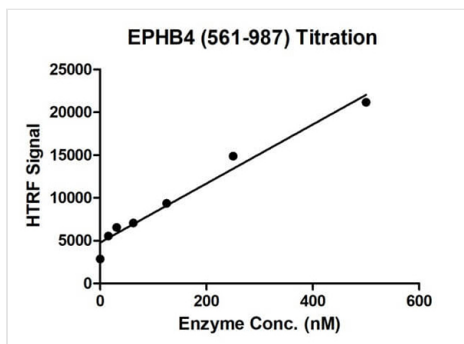
PRODUCT SYNONYMS

EPHB4; Recombinant EPHB4 (561-987) protein; Ephrin type-B receptor 4; TYRO11; HTK; MYK1; Tyrosine-Protein Kinase Receptor HTK; EPHB4 recombinant protein

PRODUCT SPECIFICATIONS

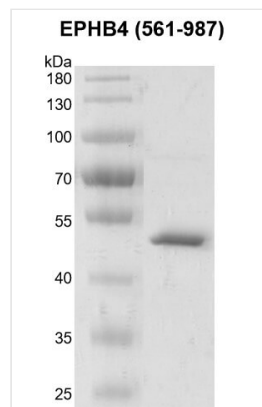
Host	Baculovirus
Form/Format	Recombinant EPHB4 (561-987) protein is supplied in 25 mM HEPESNaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant EPHB4 (561-987) protein that includes amino acids 561-987 of human EPHB4 protein (accession number NP_004435.3) was expressed in a baculovirus expression system, and contains an N-terminal DYKDDDDK tag. The molecular weight of the protein is 48.89kDa.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.

IMAGES



Application Data

HTRF assay for EPHB4 (561-987) activity 1uM TK substrate was incubated with different concentrations of EPHB4 (561-987) protein in 10ul reaction system containing 1xEnzymatic Buffer, 5 mM MgCl₂, 1 mM DTT, 1 mM MnCl₂, 5 nM SEB and 100uM ATP for 1 hour. Then 10ul detection reagents containing anti-TK antibody (1:2) and SA-XL665 (1:100) diluted with 1x Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

Recombinant EPHB4 (561-987) protein 10% SDS-PAGE Coomassie staining MW: 48.89kDa Purity: >=95%

ADDITIONAL INFORMATION

Related Product Information for EPHB4 recombinant protein

EPHB4(Ephrin type-B receptor 4) is a Receptor tyrosine kinase which binds promiscuously transmembrane ephrin-B 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. Together with its cognate ligand/functional ligand EFNB2 it is involved in the regulation of cell adhesion and migration, and plays a central role in heart morphogenesis, angiogenesis and blood vessel remodeling and permeability. EPHB4-mediated forward signaling controls cellular repulsion and segregation from EFNB2-expressing cells.

Product Categories/Family for EPHB4
recombinant protein

Kinase; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight 48.89kDa

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/ephb4-recombinant-protein-baculovirus/60367>