

EPHA2 recombinant protein

Recombinant EPHA2 (561-976) protein

CATALOG #
AAA60363

HOST
Baculovirus

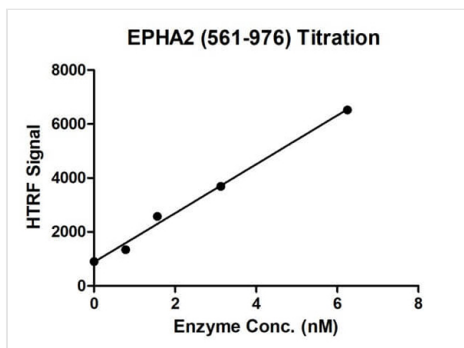
PRODUCT SYNONYMS

EPHA2; Recombinant EPHA2 (561-976) protein; Ephrin type-A receptor 2; EPH receptor A2; ECK; CTRCT6; EphA2; ARCC2; CTPP1; CTPA; EPHA2 recombinant protein

PRODUCT SPECIFICATIONS

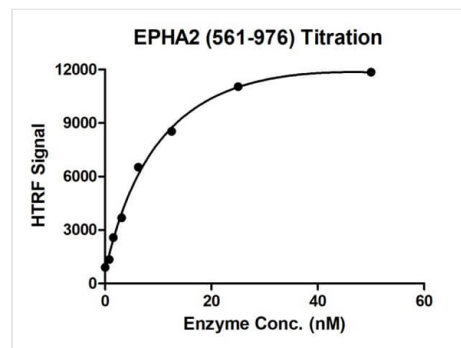
Host	Baculovirus
Form/Format	Recombinant EPHA2 (561-976) protein is supplied in 25 mM HEPESNaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5 mM TCEP.
Protein Species	Human
Protein Details	Recombinant EPHA2 (561-976) protein that includes amino acids 561-976 of human EPHA2 protein (accession number NP_004422.2) was expressed in a baculovirus expression system, and contains an N-terminal DYKDDDDK tag. The molecular weight of the protein is 48.50kDa.
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



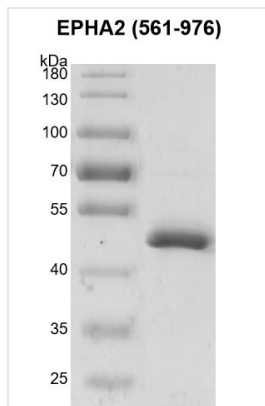
Application Data

HTRF assay for EPHA2 (561-976) activity 1uM TK substrate was incubated with different concentrations of EPHA2 (561-976) protein in 10ul reaction system containing 1×Enzymatic 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 1× 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.



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SDS-PAGE

Recombinant EPHA2 (561-976) protein 10% SDS-PAGE Coomassie staining MW: 48.50kDa
Purity: >=90%

ADDITIONAL INFORMATION

Related Product Information for EPHA2 recombinant protein

EPHA2(Ephrin type-A receptor 2) is a receptor tyrosine kinase which binds promiscuously membranebound ephrin-A 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. Activated by the ligand ephrin-A1/EFNA1 regulates migration, integrin-mediated adhesion, proliferation, and differentiation of cells. Regulates cell adhesion and differentiation through DSG1/desmoglein-1 and inhibition of the ERK1/ERK2 (MAPK3/MAPK1, respectively) signaling pathway. May also participate in UV radiation-induced apoptosis and have a ligand-independent stimulatory effect on chemotactic cell migration. During development, may function in distinctive aspects of pattern formation and subsequently in development of several fetal tissues. Involved for instance in angiogenesis, in early hindbrain development and epithelial proliferation and branching morphogenesis during mammary gland development. Engaged by the ligand ephrin-A5/EFNA5 may regulate lens fiber cells shape and interactions and be important for lens transparency development and maintenance. With ephrin-A2/EFNA2 may play a role in bone remodeling through regulation of osteoclastogenesis and osteoblastogenesis.(Microbial infection) Acts as a receptor for hepatitis C virus (HCV) in hepatocytes and facilitates its cell entry. Mediates HCV entry by promoting the formation of the CD81-CLDN1 receptor complexes that are essential for HCV entry and by enhancing membrane fusion of cells expressing HCV envelope glycoproteins.

Product Categories/Family for EPHA2 recombinant protein

Kinase; Recombinant Proteins

NCBI AND UNIPROT INFORMATION

Molecular Weight

48.50kDa

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/epha2-recombinant-protein-baculovirus/60363>