

EPHA5 recombinant protein

Recombinant Human EPHA5 Protein (ECD, hFc Tag), HPLC-verified

CATALOG # AAA259327	HOST HEK293 Cells	REACTIVITY Human
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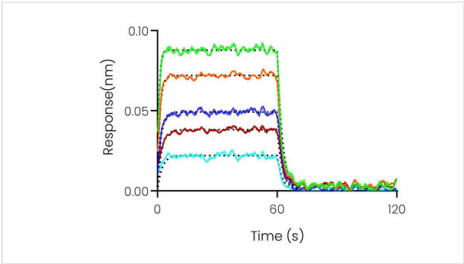
PRODUCT SYNONYMS

EPHA5; Recombinant Human EPHA5 Protein (ECD; hFc Tag); HPLC-verified; Human EPHA5 Protein (ECD; Fc Tag); BSK Protein; Human; CEK7 Protein; EHK-1 Protein; EHK1 Protein; EK7 Protein; HEK7 Protein; TYRO4 Protein; EPHA5 recombinant protein

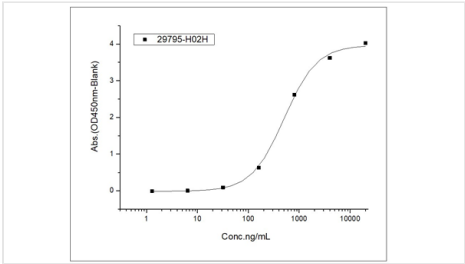
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 90% as determined by SDS-PAGE. >= 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Met1-Pro57 3
Tag	C-human IgG1-Fc
Predicted N Terminal	Pro 25
Endotoxin	< 1.0 EU perug protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the Human EPHA5 (P54756-1)(Met1-Pro573) was expressed with the fused Fc region of human IgG1 at the C-terminus.
Activity	1. Immobilized Recombinant Human EPHA5 Protein (ECD, Fc Tag) at 2ug/mL (100uL/well) can bind Recombinant Human Ephrin-A3/EFNA3 Protein (His Tag), the EC50 is 250-750ng/mL. 2. Loaded Recombinant Human EPHA5 Protein, Fc Tag on proA Biosensor, can bind Recombinant Human Ephrin A3 Protein, His Tag with an affinity constant of 0.446um as determined in BLI assay (Sartorius Octet RED384)(QC tested).
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 unless customers require otherwise.

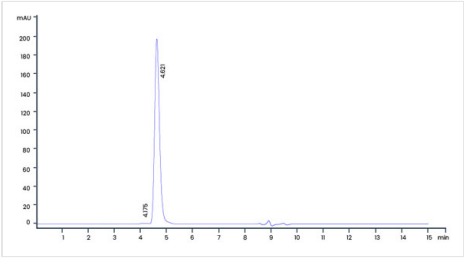
IMAGES



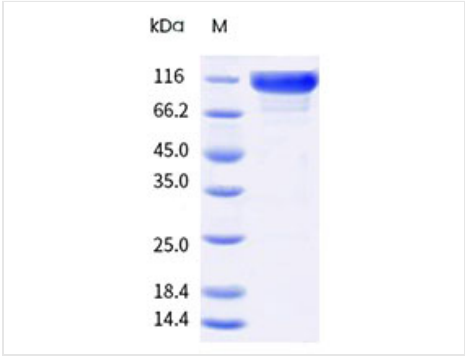
Application Data
Loaded Recombinant Human EPHA5 Protein, Fc Tag (QC tested).



Application Data
Immobilized Recombinant Human EPHA5 Protein (ECD, Fc Tag)(#AAA259327) at 2ug/mL (100uL/well) can bind Recombinant Human Ephrin-A3/EFNA3 Protein (His Tag), the EC50 is 250-750ng/mL.



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NCBI AND UNIPROT INFORMATION

NCBI GI #	221625401
NCBI GeneID	2044
NCBI Accession #	NP_004430.4
NCBI GenBank Nucleotide #	NM_004439.5
UniProt Accession #	P54756; Q7Z3F2
Molecular Weight	114,803 Da
NCBI Official Full Name	ephrin type-A receptor 5 isoform a
NCBI Official Synonym Full Names	EPH receptor A5
NCBI Official Symbol	EPHA5
NCBI Official Synonym Symbols	CEK7; EHK1; HEK7; TYRO4
NCBI Protein Information	ephrin type-A receptor 5; EK7; EHK-1; EPH-like kinase 7; EPH homology kinase 1; Eph homology kinase-1; brain-specific kinase; receptor protein-tyrosine kinase HEK7; tyrosine-protein kinase receptor EHK-1
UniProt Protein Name	Ephrin type-A receptor 5
UniProt Gene Name	EPHA5
UniProt Synonym Gene Names	BSK; EHK1; HEK7; TYRO4; EHK-1; EK7; hEK7
UniProt Entry Name	EPHA5_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.

