

SLIT2 recombinant protein

Recombinant Human SLIT2 Protein (His Tag), HPLC-verified

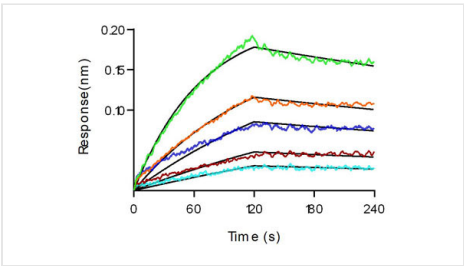
CATALOG # AAA259289	HOST HEK293 Cells	REACTIVITY Human
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PRODUCT SYNONYMS

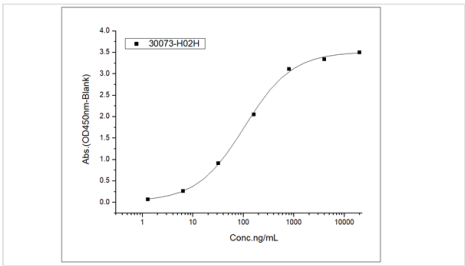
SLIT2; Recombinant Human SLIT2 Protein (His Tag); HPLC-verified; Human SLIT2 Protein (His Tag); slit guidance ligand 2; SLIL3 Protein; Human; Slit-2 Protein; SLIT2 recombinant protein

PRODUCT SPECIFICATIONS

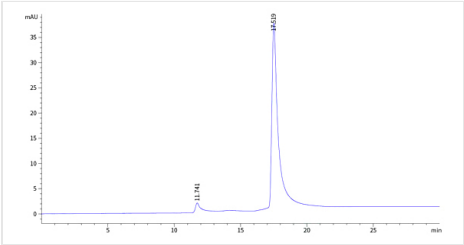
Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 95% as determined by SDS-PAGE. >= 90% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Leu271-Ala 480
Tag	C-His
Predicted N Terminal	Leu 271
Endotoxin	< 1.0 EU perug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human SLIT2 (O94813)(Leu271-Ala480) was expressed with a polyhistidine tag at the C-terminus.
Activity	1. Immobilized Recombinant Human SLIT2 Protein (His Tag) at 10ug/mL (100uL/well) can bind Recombinant Human ROBO1 Protein (ECD, Fc Tag), the EC50 is 60-180ng/mL. 2. Loaded Recombinant Human ROBO1 Protein, hFc Tag on proA Biosensor, can bind Recombinant Human SLIT2 Protein, His Tag with an affinity constant of 42.8nM as determined in BLI assay (Sartorius Octet RED384)(Routinely 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.



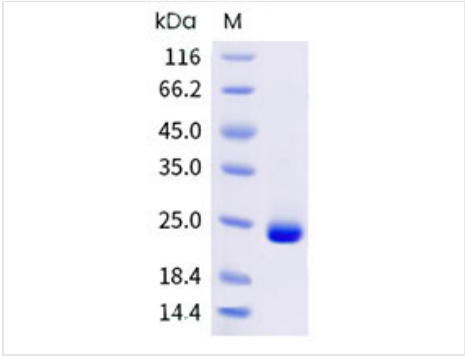
Application Data
Loaded Recombinant Human ROBO1 Protein, hFc Tag on proA Biosensor, can bind Recombinant Human SLIT2 Protein, His Tag (Routinely tested).



Application Data
Immobilized Recombinant Human SLIT2 Protein (His Tag)(#AAA259289) at 10ug/mL (100uL/well) can bind Recombinant Human ROBO1 Protein (ECD, Fc Tag), the EC50 is 60-180ng/mL.



Application Data



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NCBI AND UNIPROT INFORMATION

NCBI GI #	4759146
NCBI GeneID	9353
NCBI Accession #	NP_004778.1
NCBI GenBank Nucleotide #	NM_004787.1
UniProt Accession #	O94813; O95710; Q17RU3; Q9Y5Q7; B7ZLR5
Molecular Weight	169,870 Da
NCBI Official Full Name	slit homolog 2 protein
NCBI Official Synonym Full Names	slit homolog 2 (Drosophila)
NCBI Official Symbol	SLIT2
NCBI Official Synonym Symbols	SLIL3; Slit-2
NCBI Protein Information	slit homolog 2 protein
UniProt Protein Name	Slit homolog 2 protein
UniProt Gene Name	SLIT2
UniProt Synonym Gene Names	SLIL3; Slit-2
UniProt Entry Name	SLIT2_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.