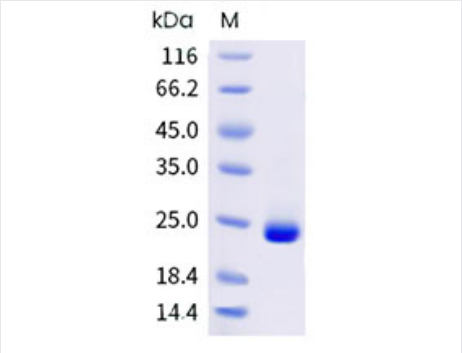
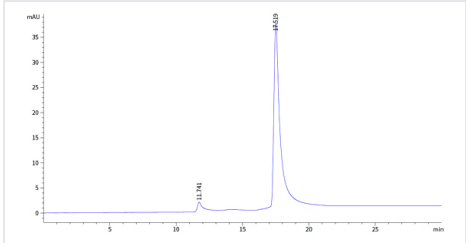
SLIT2 Human Recombinant Protein

PRODUCT OVERVIEW

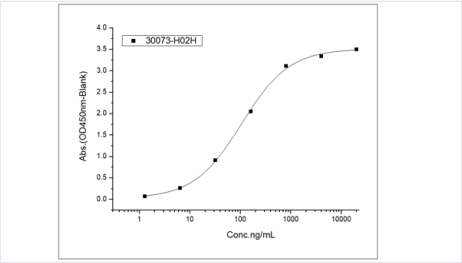
Product Name	SLIT2, Recombinant Protein
Full Product Name	Recombinant Human SLIT2 Protein (His Tag), HPLC-verified
Product Gene Name	SLIT2 recombinant protein
Product Synonym Names	Human SLIT2 Protein (His Tag); slit guidance ligand 2; SLIL3 Protein, Human; Slit-2 Protein, Human
Sequence	Leu271-Ala 480
Host	HEK293 Cells
Species Reactivity	Human
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Purity/Purification	>= 95% as determined by SDS-PAGE. >= 90% as determined by SEC-HPLC.
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.
Molecular Weight	169,870 Da
Chromosome Location	Chromosome: 4; NC_000004.11 (20255235..20620788). Location: 4p15.2
OMIM	603746
3D Structure	ModBase 3D Structure for O94813
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).
Related Product Information for SLIT2 recombinant protein	MBS8125987 is a recombinant protein targeting SLIT2. Also known as Recombinant Human SLIT2 Protein (His Tag), HPLC-verified. Reactive in Human. Host: HEK293 Cells.
Other Notes	Small volumes of SLIT2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Testing Data of SLIT2 recombinant protein

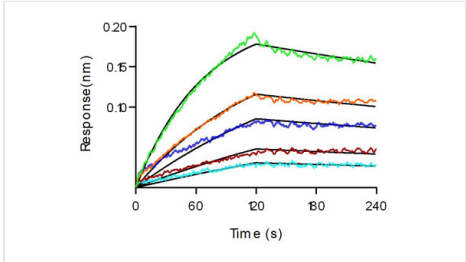


Testing Data of SLIT2 recombinant protein



Testing Data of SLIT2 recombinant protein

Immobilized Recombinant Human SLIT2 Protein (His Tag)(#MBS8125987) at 10ug/mL (100uL/well) can bind Recombinant Human ROBO1 Protein (ECD, Fc Tag), the EC50 is 60-180ng/mL.



Testing Data of SLIT2 recombinant protein

Loaded Recombinant Human ROBO1 Protein, hFc Tag on proA Biosensor, can bind Recombinant Human SLIT2 Protein, His Tag #MBS with an affinity constant of 42.8 nM as determined in BLI assay (Sartorius Octet RED384)(Routinely tested).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLIT2. It may not necessarily be applicable to this product.

NCBI GI #	4759146
NCBI GeneID	9353
NCBI Accession #	NP_004778.1
UniProt Primary Accession #	O94813
UniProt Secondary Accession #	O95710; Q17RU3; Q9Y5Q7; B7ZLR5
UniProt Related Accession #	O94813
GenBank Nucleotide #	NM_004787.1
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
UniProt Protein Name	Slit homolog 2 protein
Protein Family	Slit homolog 2 protein
UniProt Gene Name	SLIT2
UniProt Synonym Gene Names	SLIL3; Slit-2
UniProt Entry Name	SLIT2_HUMAN
NCBI Protein Information	slit homolog 2 protein

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