

Recombinant Human Slit Homolog 2 (Drosophila)

Cat. No. SLIT2-965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Slit2-N produced in 293 cells is a 1088 amino acid glycoprotein corresponding to the N-terminal portion of the full length Slit2 precursor. Due to glycosylation Slit2-N migrates at an apparent molecular weight of approximately 110.0-116.0 kDa by SDS-PAGE analysis under reducing conditions.
Species	Human
Source	HEK293
Description	Slit2 is a member of the Slit family that signals through the Roundabout (Robo) receptor as a repellent for axon guidance and neuronal migration, and can also act as a chemoattractant to vascular endothelial cells and a chemotaxis inhibitor for leukocytes. Slit2 is expressed primarily in the fetal lung, kidney, and adult spinal cord, and to a lesser extent in adult adrenal gland, thyroid and trachea. Slit2 is initially synthesized as a 1499 amino acid precursor, which is subsequently cleaved into N-terminal and C-terminal fragments, designated as Slit2-N and Slit2-C respectively. The neurodevelopment related activities, as measured by the ability to repel olfactory bulb axons and to induce branching in dorsal root ganglia axons, are contained only in the N-terminal fragment.
Purity	98 % (SDS-PAGE, HPLC).
Endotoxin Level	< 0.1 ng per ug of Slit2-N.
Stabilizer	None.

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Formulation	Lyophilized.
Biological Activity	Data not available!
Stability	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted human Slit2-N should be stored in working aliquots at -20°C. Avoid repeated freeze-thaw cycles.
Full Length	Full L.

GENE INFORMATION

Gene Name	SLIT2 slit homolog 2 (Drosophila) [Homo sapiens]
Synonyms	SLIT2;slit homolog 2 (Drosophila); SLIL3; Slit-2; FLJ14420; slit (Drosophila) homolog 2; Slit homolog 2 protein; Slit homolog 2 protein N-product; Slit homolog 2 protein C-product; FLJ14420; slit homolog 2
Gene ID	9353
mRNA Refseq	NM_004787
Protein Refseq	NP_004778
MIM	603746
UniProt ID	O94813
Chromosome Location	4p15.2

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Pathway	Axon guidance
Function	calcium ion binding; receptor binding