

Recombinant Mouse Slit2 Protein, Myc/DDK-tagged

Cat. No. Slit2-5944M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length slit guidance ligand 2 (Slit2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene is a member of the Slit family of secreted glycoproteins, which function as ligands for the Robo family of immunoglobulin receptors. Slit proteins play highly conserved roles in axon guidance and neuronal migration and may also have functions during other cell migration processes including leukocyte migration. In mammals, members of the slit family are characterized by an N-terminal signal peptide, four leucine-rich repeats, nine epidermal growth factor repeats, and a C-terminal cysteine knot. Mice deficient for this gene exhibit abnormal axonal projections in the embryonic forebrain and develop supernumerary uretic buds that maintain improper connections to the nephric duct. Alternative splicing results in multiple transcript variants.
Molecular Mass	169.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Slit2 slit guidance ligand 2 [Mus musculus (house mouse)]
Official Symbol	Slit2
Synonyms	Slit2; slit guidance ligand 2; S; Drad; Slit3; Drad-1; slit-2; mKIAA4141; b2b1200.1Clo; E030015M03Rik; E130320P19Rik; slit homolog 2 protein; downregulated during adipocyte differentiation-1; neurogenic extracellular slit protein
Gene ID	20563
mRNA Refseq	NM_178804
Protein Refseq	NP_848919
UniProt ID	Q9R1B9

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