

## Recombinant Mouse Slit2 protein, His-tagged

Cat. No. Slit2-759M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Slit2 aa. (Gln31~His197 (Accession # Q9R1B9)) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Gln31~His197
<b>Description</b>	<p>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.</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	21 kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)

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<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 9.1.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage buffer</b>	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Slit2 slit homolog 2 (Drosophila) [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Slit2</a>
<b>Synonyms</b>	Slit3; Drad-1; slit-2; mKIAA4141; b2b1200.1Clo; E030015M03Rik; E130320P19Rik; downregulated during adipocyte differentiation-1 neurogenic extracellular slit protein; slit homolog 2 protein
<b>Gene ID</b>	<a href="#">20563</a>
<b>mRNA Refseq</b>	<a href="#">NM_001291227.2</a>

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**Protein Refseq** NP\_001278156.1

**UniProt ID** Q9R1B9

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