

Recombinant Human SLIT2

Cat. No. SLIT2-30441TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 27-1118 of Human Slit2; 1092 amino acids, 122kDa.
Species	Human
ProteinLength	27-1118 a.a.
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 leukocyte
Tissue specificity	Fetal lung and kidney, and adult spinal cord. Weak expression in adult adrenal gland, thyroid, trachea and other tissues examined.
Form	Lyophilised
Purity	>95% by SDS-PAGE
Storage	Aliquot and store at -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	ACPAQCSCSG STVDCHGLAL RSVPRNIPRN TERLDLNGNN ITRITKTDFAGLRHLRVLQL MENKISTIER GAFQDLKELE RLRLNRNHLQ LFPPELLFLGTAKLYRLDLSE NQIQAIIPRKA FRGAVDIKNL QLDYNQISCI EDGAFRALRDLEVLTLNNNN ITRLSVASFN HMPKLRTFRL HSNPLYCDCH LAWLSDWLRQ

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RPRVGLYTQC MGPSHLRGHN VAEVQKREFV CSGHQSFMAP SCSVLHCPAA
 CTCNNIVDC RGKGLTEIPT NLPETITEIR LEQNTIKVIP PGAFSYKKL
 RRIDLSNNQI SELAPDAFQG LRSLSLVLY GNKITELPKS LFEGFLSLQL
 LLLNANKINC LRVDAFQDLH NLNLLSLYDN KLQTIAGTF SPLRAIQTMH
 LAQNPFICDC HLKWLADYLH TNPIETSGAR CTSPRRLANK RIGQIKSKKF
 RCSAKEQYFI PGTEDYRSKL SGDCFADLAC PEKCRCEGTT VDCSNQKLNK
 IPEHIPQYTA ELRLNNEFT VLEATGIFKK LPQLRKINFS NNKITDIEEG
 AFEGASGVNE ILLTSNRLN VQHKMFKGLE SLKTLMLRSN RITCVGNDSF
 IGLSSVRLLS LYDNQITTVA PGAFDTLHSL STLNLLANPF NCNCYLAWLG
 EWLRKKRIVT GNPRCQKPYF LKEIPIQDVA IQDFTCDDGN DDNSCSPLSR
 CPTECTCLDT VVRC SNKGLK VLPKGIPRDV TELYLDGNQF TLVPKELSNY
 KHLTLIDLSN NRISTLSNQS FSNMTQLLTL ILSYNRLRCI PPRTFDGLKS
 LRLSLHGND ISVVEGAFN DLSALSHLAI GANPLYCDCN MQWLSDWVKS
 EYKEPGIARC AGPGEMADKL LLTPSKKFT CQGPVDVNIL AKCNPCLSNP
 CKNDGTCNSD PVDFYRCTCP YGFKGQDCDV PIHACISNPC KHGGTCHLKE
 GEEDGFWCIC ADGFEENCE VNVDDCEDND CENNSTCVDG INNYTCLCPP
 EYTGELCEEK LDFCAQDLNP CQHDSKCILT PKGFKCDCTP GYVGEHCDID
 FDDCQDNKCK NGAHCTDAVN GYTCICPEGY SGLFCEFSPP MV

Sequence

Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 7 EGF-like

Similarities

domains. Contains 1 laminin G-like domain. Contains 23 LRR (leucine-rich) repeats.

GENE INFORMATION

Gene Name

SLIT2 slit homolog 2 (Drosophila) [Homo sapiens]

Official Symbol

SLIT2

Synonyms

SLIT2; slit homolog 2 (Drosophila); SLIL3, slit (Drosophila) homolog 2; slit homolog 2 protein; Slit 2;

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Gene ID	9353
mRNA Refseq	NM_004787
Protein Refseq	NP_004778
MIM	603746
Uniprot ID	O94813
Chromosome Location	4p15.2
Pathway	Activation of Rac, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem; Axon guidance, organism-specific biosystem;
Function	GTPase inhibitor activity; Roundabout binding; calcium ion binding; heparin binding; laminin-1 binding;

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