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 ITRITKTDFA GLRHLRVLQL MENKISTIER GAFQDLKELE RLRLNRNHLQ LFPELLFLGT AKLYRLDLSE NQIQAIPRKA FRGAVDIKNL QLDYNQISCI EDGAFRALRD LEVLTLNNNN ITRLSVASFN HMPKLRTFRL HSNNLYCDCH LAWLSDWLRQ

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	RPRVGLYTQC MGPSHLRGHN VAEVQKREFV CSGHQSFMAP SCSVLHCPAA CTCSNNIVDC RGKGLTEIPT NLPETITEIR LEQNTIKVIP PGAFSPYKKL RRIDLSNNQI SELAPDAFQG LRSLNSLVLY GNKITELPKS LFEGLFSLQL LLLNANKINC LRVDAFQDLH NLNLLSLYDN KLQTIAKGTF SPLRAIQTMH LAQNPFICDC HLKWLADYLH TNPIETSGAR CTSPRRLANK RIGQIKSKKF RCSAKEQYFI PGTEDYRSKL SGDCFADLAC PEKCRCEGTT VDCSNQKLNK IPEHIPQYTA ELRLNNNEFT VLEATGIFKK LPQLRKINFS NNKITDIEEG AFEGASGVNE ILLTSNRLEN VQHKMFKGLE SLKTLMLRSN RITCVGNDSF IGLSSVRLLS LYDNQITTVA PGAFDTLHSL STLNLLANPF NCNCYLAWLG EWLRKKRIVT GNPRCQKPYF LKEIPIQDVA IQDFTCDDGN DDNSCSPLSR CPTECTCLDT VVRCSNKGLK VLPKGIPRDV TELYLDGNQF TLVPKELSNY KHLTLIDLSN NRISTLSNQS FSNMTQLLTL ILSYNRLRCI PPRTFDGLKS LRLLSLHGND ISVVPEGAFN DLSALSHLAI GANPLYCDCN MQWLSDWVKS EYKEPGIARC AGPGEMADKL LLTTPSKKFT CQGPVDVNIL AKCNPCLSNP CKNDGTCNSD PVDFYRCTCP YGFKGQDCDV PIHACISNPC KHGGTCHLKE GEEDGFWCIC ADGFEGENCE VNVDDCEDND CENNSTCVDG INNYTCLCPP EYTGELCEEK LDFCAQDLNP CQHDSKCILT PKGFKCDCTP GYVGEHCDID FDDCQDNKCK NGAHCTDAVN GYTCICPEGY SGLFCEFSPP MV
Sequence Similarities	Contains 1 CTCK (C-terminal cystine knot-like) domain.Contains 7 EGF-like 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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