

Datasheet for ABIN935807 **SLIT2 Protein**



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Overview

Quantity:	25 µg
Target:	SLIT2
Origin:	Human
Source:	HEK-293T Cells
Protein Type:	Recombinant

Product Details

Sequence: QACPAQCSCS GSTVDCHGLA LRSVPRNIPR NTERLDLNGN NITRITKTD F AGLRHRLRVLQ
LMENKISTIE RGAFQDLKEL ERLRLNRNHL QLFPELLFLG TAKLYRLDLS ENQIQAI PRK
AFRGAVDIKN LQLDYNQISC IEDGAFRALR DLEVLTLNNN NITRLSVASF NHMPKLR TFR
LHSNNLYCDC HLAWLSDWLR QRPRVGLYTQ CMGPSHLRGH NVAEVQKREF VCSGHQSFMA
PSCSVLHCPA ACTCSNNIVD CRGKGLTEIP TNLPETITEI RLEQNTIKVI PPGAFSPYKK
LRRIDLSNNQ ISELAPDAFQ GLRSLNSLV L YGNKITELPK SLFEGFLFSLQ LLLL NANKIN
CLRVDAFQDL HNLNLLSLYD NKLQTIAGT FSPLRAIQTM HLAQNPFICD CHLKW LADYL
HTNPIETSGA RCTSPRRLAN KRIGQIKSKK FRCSAKEQYF IPGTEDYRSK LSGDCFADLA
CPEKCRCEGT TVDCSNQKLN KIPEHIPQYT AELRLNNNEF TVLEATGIFK KLPQLRKINF
SNNKITDIEE GAFEGASGVN EILLTSNRLE NVQHKMFKGL ESLKTLMLRS NRITCVGNDS
FIGLSSVRL L SLYDNQITTV APGAFDTLHS LSTLNLLANP FNCNCYLAWL GEWLRKKRIV
TG NPRCQKPY FLKEIQDV AIQDFTCDDG NDDNSCSPLS RCPTECTCLD TVVRCSNKGL
KVLPGKIPRD VT ELYLDGNQ FTLVPKELSN YKHLTLIDLS NNRISTLSNQ SFSNMTQLLT
LILSYNRLRC IPPRTFDGLK SLRLLSLHGN DISVPEGAF NDLSALSHLA IGANPLYCDC
NMQWLSDWVK SEYKEPGIAR CAGPGEMADK LLLTTPSKKF TCQGPVDVNI LAKCNPCLSN
PCKNDGTCNS DPVDFYRCTC PYGFKGQDCD VPIHACISNP CKHGGTCHLK EGEEDGFWCI

Product Details

CADGFEGENC EVNVDDCEDN DCENNSTCVD GINNYTCLCP PEYTGELCEE KLDFAQDLN
PCQHDSKIL TPKGFKDCT PGYVGEHCDI DFDDCQDNKC KNGAHCTDAV NGYTCICPEG
YSGLFCEFSP PMV

Characteristics: Purified recombinant Human SLIT2 N protein
Expression System: 293 cells

Purity: > 98 % pure

Endotoxin Level: < 0.1 ng per µg (1 EU/µg)

Target Details

Target: SLIT2

Alternative Name: SLIT2N ([SLIT2 Products](#))

Background: 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.

Alternative Names: SLIL3 protein, Slit homolog 2 protein protein, Slit-2 N protein

Molecular Weight: 120-140 kDa

Pathways: [Regulation of Actin Filament Polymerization](#), [Regulation of Cell Size](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Handling

Reconstitution:	Reconstitute in distilled water for a concentration of 0.1 to 1.0 g/mL. Do not vortex.
Buffer:	Lyophilized from 20 mM Tris and 200 mM Arginine, pH 8.8.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 4 °C until reconstitution. Following reconstitution aliquot and freeze at -20 °C for long term storage.