

32-20601: Recombinant Human Slit2-N(Discontinued)

Reactivity : Human, Mouse
Alternative Name : Slit homolog 2 protein, SLIL3

Description

Source:HEK293 cells

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 also acts 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 the 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. Recombinant Human Slit2-N is a 1093 amino acid glycoprotein corresponding to the N-terminal portion of the full length Slit2 precursor, and has a calculated, theoretical molecular weight of 122.35 kDa. Due to glycosylation Slit2-N migrates at an apparent molecular weight of approximately 120.0-140.0 kDa by SDS-PAGE analysis under reducing conditions.

Product Info

Amount : 5 µg / 25 µg
Purification : Purity: >= 98% by SDS-PAGE gel and HPLC analyses.
Content : This recombinant protein is supplied in lyophilized form.
Amino Acid : QACPAQCSCS GSTVDCHGLA LRSVPRNIPR NTERLDLNGN NITRITKTDF AGLRHRLVLQ LMENKISTIE
RGAFQDLKEL ERLRLNRNHL QLFPELLFLG TAKLYRLDLS ENQIQAIIPRK AFRGAVDIKN LQLDYNQISC
IEDGAFRALR DLEVLTLNNN NITRLSVASF NHMPKLRTR LHSNNLYCDC HLAWLSDWLR QRPRVGLYTQ
CMGPSHLRGH NVAEVQKREF VCSGHQSFMA PSCSVLHCPA ACTCSNNIVD CRGKGLTEIP TNLPETITEI
RLEQNTIKVI PPGAFSPYKK LRRIDLSNNQ ISELAPDAFQ GLRSLNSLVL YGNKITELPK SLFEGFLSLQ
LLLLNANKIN CLRVDFAQDL HNLNLLSLYD NKLQTIAGT FSPLRAIQTM HLAQNPFCID CHLKWLADYL
HTNPIETSGA RCTSPRRLAN KRIGQIKSKK FRCSAKEQYF IPGTEDYRSK LSGDCFADLA CPEKCRCEGT
TVDCSNQKLN KIPEHIPQYT AELRLNNEF TVLEATGIFK KLPQLRKINF SNNKITDIEE GAFEGASGVN
EILLTSNRLE NVQHKMFKGL ESLKTLMLRS NRITCVGND S FIGLSSVRL SLYDNQITTV APGAFDTLHS
LSTLNLLANP FNCNCYLAWL GEWLRKKRIV TGNPRCQKPY FLKEIQDV AIQDFTCDDG NDDNSCSPLS
RCPTTECTLD TVVRCSNKGL KVLPGKIPRD VTELYLDGNQ FTLVPKELSN YKHLTLIDLS NNRISTLSNQ
SFSNMTQLLT LILSYNRLRC IPPRTFDGLK SLRLLSLHGN DISVVPEGAF NDLSALSHLA IGANPLYCDC
NMQWLSDWVK SEYKEPGIAR CAGPGEMADK LLLTTPSKKF TCQGPVDVNI LAKCNPLSN
PCKNDGTCNS DPVDFYRCTC PYGFKGQDCD VPIHACISNP CKHGGTCHLK EGEEDGFWCI
CADGFEGENC EVNVDDCEDN DCENNSTCVD GINNYTCLCP PEYTCELCEE KLDFCAQDLN PCQHDSKCIL
TPKGFKCDCT PGYVGEHCDI DFDDCQDNKC KNGAHCTDAV NGYTCICPEG YSGLFCEFPSP PMV

Application Note

Determined by its ability to inhibit MC3T3/E1 osteoblasts cell differentiation.