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# 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 AGLRHLRVLQ LMENKISTIE RGAFQDLKEL ERLRLNRNHL QLFPELLFLG TAKLYRLDLS ENQIQAIPRK AFRGAVDIKN LQLDYNQISC IEDGAFRALR DLEVLTLNNN NITRLSVASF NHMPKLRTFR LHSNNLYCDC HLAWLSDWLR QRPRVGLYTQ CMGPSHLRGH NVAEVQKREF VCSGHQSFMA PSCSVLHCPA ACTCSNNIVD CRGKGLTEIP TNLPETITEI RLEQNTIKVI PPGAFSPYKK LRRIDLSNNQ ISELAPDAFQ GLRSLNSLVL YGNKITELPK SLFEGLFSLQ LLLLNANKIN CLRVDAFQDL HNLNLLSLYD NKLQTIAKGT FSPLRAIQTM HLAQNPFICD CHLKWLADYL HTNPIETSGA RCTSPRRLAN KRIGQIKSKK FRCSAKEQYF IPGTEDYRSK LSGDCFADLA CPEKCRCEGT TVDCSNQKLN KIPEHIPQYT AELRLNNNEF TVLEATGIFK KLPQLRKINF SNNKITDIEE GAFEGASGVN EILLTSNRLE NVQHKMFKGL ESLKTLMLRS NRITCVGNDS FIGLSSVRLL SLYDNQITTV APGAFDTLHS LSTLNLLANP FNCNCYLAWL GEWLRKKRIV TGNPRCQKPY FLKEIPIQDV AIQDFTCDDG NDDNSCSPLS RCPTECTCLD TVVRCSNKGL KVLPKGIPRD VTELYLDGNQ FTLVPKELSN YKHLTLIDLS NNRISTLSNQ SFSNMTQLLT LILSYNRLRC IPPRTFDGLK SLRLLSLHGN DISVVPEGAF NDLSALSHLA IGANPLYCDC NMQWLSDWVK SEYKEPGIAR CAGPGEMADK LLLTTPSKKF TCQGPVDVNI LAKCNPCLSN PCKNDGTCNS DPVDFYRCTC PYGFKGQDCD VPIHACISNP CKHGGTCHLK EGEEDGFWCI CADGFEGENC EVNVDDCEDN DCENNSTCVD GINNYTCLCP PEYTGELCEE KLDFCAQDLN PCQHDSKCIL TPKGFKCDCT PGYVGEHCDI DFDDCQDNKC KNGAHCTDAV NGYTCICPEG YSGLFCEFSP PMV

## Application Note

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