

Recombinant human Slit2 protein ab82131

3 References

製品の詳細

製品名	Recombinant human Slit2 protein		
生理活性	Determined by its ability to inhibit MC3T3/E1 osteoblasts cell differentiation.		
精製度	> 98 % SDS-PAGE. Purity is greater than 98% by SDS-PAGE gel and HPLC analyses.		
発現系	HEK 293 cells		
タンパク質長	Protein fragment		
Animal free	No		
由来	Recombinant		
生物種	Human		
配列	ACPAQCSCSG STVDCHGLAL RSVPRNIPRN TERLDLNGNN ITRITKTDFA GLRHLRVLQL MENKISTIER GAFQDLKELE RLRLNRNHLQ LFPELLFLGT AKLYRLDLSE NQIQAIPRKA FRGAVDIKNL QLDYNQISCI EDGAFRALRD LEVLTLNNNN ITRLSVASFN HMPKLRTFRL HSNNLYCDCH LAWLSDWLRQ RPRVGLYTQC MGPSHLRGHN VAEVQKREFV CSGHQSFMAP SCSVLHCPAA CTCSNIVDC RGKGLTEIPT NLPETITEIR LEQNTIKVIP PGAFSPYKKL RRIDLSNNQI SELAPDAFQG LRSLNSLVLY GNKITELPKS LFEGLFSLQL LLLNANKINC LRVDAFQDLH NLNLLSLYDN KLQTIAGTF SPLRAIQTMH LAQNPFCDC HLKWLADYLH TNPIETSGAR CTSPRRLANK RIGQIKSKKF RCSAKEQYFI PGTEDYRSKL SGDCFADLAC PEKCRCEGTT VDCSNQKLNK IPEHIPQYTA ELRLNNNEFT VLEATGIFKK LPQLRKINFS NNKITDIEEG AFEGASGVNE ILLTSNRLEN VQHKMFKGLE SLKTLMLRSN RITCVGNDSF IGLSSVRLLS LYDNQITTVA PGAFDTLHSL STLNLLANPF NCNCYLAWLG EWLKKRIVT GNPRCQKPYF LKEIPIQDVA IQDFTCDDGN DDNSCSPLSR CPTECTCLDT VVRC SNKGLK		

VLPKGIPRDV TELYLDGNQF TLVPKELSNY
 KHLTLIDLSN NRISTLSNQS FSNMTQLLTL
 ILSYNRLRCI PPRTFDGLKS LRLLSLHGND
 ISVVPEGAFN DLSALSHLAI GANPLYCDCN
 MQWLSDWVKS EYKEPGIARC AGPGEMADKL
 LLTPPSKKFT CQGPVDVNIL AKCNPCLSNP
 CKNDGTCNSD PVDFYRCTCP YGFKGQDCDV
 PIHACISNPC KHGGTCHLKE GEEDGFWCIC
 ADGFEENCE VNVDDEDND CENNSTCVDG
 INNYTCLCPP EYTGELCEEK LDFAQDLNP
 CQHDSKCILT PKGFKDCTP GYVGEHCDID
 FDDCQDNKCK NGAHCTDAVN GYTCICPEGY
 SGLFCEFSPP MV

領域 27 to 1118

特性

Our **Abpromise guarantee** covers the use of **ab82131** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション SDS-PAGE

製品の状態 Lyophilized

前処理および保存

保存方法および安定性 Shipped at 4°C. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

再構成 For lot specific reconstitution information please contact our Scientific Support Team.

関連情報

機能 Thought to act as molecular guidance cue in cellular migration, and function appears to be mediated by interaction with roundabout homolog receptors. During neural development involved in axonal navigation at the ventral midline of the neural tube and projection of axons to different regions. SLIT1 and SLIT2 seem to be essential for midline guidance in the forebrain by acting as repulsive signal preventing inappropriate midline crossing by axons projecting from the olfactory bulb. In spinal chord development may play a role in guiding commissural axons once they reached the floor plate by modulating the response to netrin. In vitro, silences the attractive effect of NTN1 but not its growth-stimulatory effect and silencing requires the formation of a ROBO1-DCC complex. May be implicated in spinal chord midline post-crossing axon repulsion. In vitro, only commissural axons that crossed the midline responded to SLIT2. In the developing visual system appears to function as repellent for retinal ganglion axons by providing a repulsion that directs these axons along their appropriate paths prior to, and after passage through, the optic chiasm. In vitro, collapses and repels retinal ganglion cell growth cones. Seems to play a role in branching and arborization of CNS sensory axons, and in neuronal cell migration. In vitro, Slit homolog 2 protein N-product, but not Slit homolog 2 protein C-product, repels olfactory bulb (OB) but not dorsal root ganglia (DRG) axons, induces OB growth cones collapse and induces branching of DRG axons. Seems to be involved in regulating leukocyte migration.

組織特異性	Fetal lung and kidney, and adult spinal cord. Weak expression in adult adrenal gland, thyroid, trachea and other tissues examined.
配列類似性	Contains 1 CTCK (C-terminal cystine knot-like) domain. Contains 7 EGF-like domains. Contains 1 laminin G-like domain. Contains 20 LRR (leucine-rich) repeats. Contains 4 LRRCT domains. Contains 4 LRRNT domains.
ドメイン	The leucine-rich repeat domain is sufficient for guiding both axon projection and neuronal migration, in vitro.
細胞内局在	Secreted. The C-terminal cleavage protein is more diffusible than the larger N-terminal protein that is more tightly cell associated.

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