重组人LRFN2蛋白

Recombinant LRFN2 protein (His tag)

目录号 Catalog Number	543877
同用名 Synonyms	Synaptic adhesion-like molecule 1
种属 Species	Human
表达系统 Expression System	E. coli
蛋白编号 Accession	Q9ULH4
分子量 Molecular Weight	Predictes a molecular mass of 41.38 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 42 kDa band.

产品信息

氨基酸序列 Amino Acid Sequence	MNHKVHHHHH HGGSCPKYCV CQNLSESLGT LCPSKGLLFV PPDIDRRTVE LRLGGNFIIH ISRQDFANMT GLVDLTLSRN TISHIQPFSF LDLESLRSLH LDSNRLPSLG EDTLRGLVNL QHLIVNNNQL GGIADEAFED FLLTLEDLDL SYNNLHGLPW DSVRRMVNLH QLSLDHNLLD HIAEGTFADL QKLARLDLTS NRLQKLPPDP IFARSQASAL TATPFAPPLS FSFGGNPLHC NCELLWLRRL ERDDDLETCG SPGGLKGRYF WHVREEEFVC EPPLITQHTH KLLVLEGQAA TLKCKAIGDP SPLIHWVAPD DRLVGNSSRT AVYDNGTLDI FITTSQDSGA FTCIAANAAG EATAMVEVSI VQL
性状 Form	冻干粉末 Lyophilized powder
组分 Formulation	Lyophilized from sterile PBS, pH 7.4
纯度 Purity	>90%, by SDS-PAGE with Coomassie Brilliant Blue staining.
内毒素 Endotoxin	Not tested.
活性 Activity	Not tested.
稳定性 Stability	Samples are stable for up to twelve months from date of receipt at -70℃
蛋白构建 Protein Construction	DNA encoding 21-379 aa (Q9ULH4) were fused with N-terminal 6His tag.

保存与运输

复溶 Reconstitution	Reconstitute at 0.15 μg/μl in sterile water for short-term storage. Reconstitution with 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details). If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used). Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.
储存 Storage	Store it under sterile conditions at -20℃ to -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
运输 Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

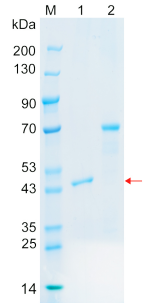
功能描述

研究背景 Background

Recombinant Human LRFN2 (Leucine-rich repeat and fibronectin type-III domain-containing protein 2) fragment (residues 21-379) is a high-purity protein designed for neuroscience and cell biology research. This fragment fully encompasses the LRRNT, LRRCT, and Ig-like functional domains, making it an ideal tool for studying neurite outgrowth, NMDA receptor regulation, and synaptic adhesion mechanisms.
Leucine-rich repeat and fibronectin type-III domain-containing protein 2 (LRFN2), also known as Synaptic adhesion-like molecule 1, is a membrane protein that promotes neurite outgrowth in hippocampal neurons and enhances cell surface expression of NMDA receptor subunits GRIN1 and GRIN2A. It is localized to the postsynaptic cell membrane and synapses, where it may play a role in redistributing DLG4 to the cell periphery. As a single-pass type I membrane protein, LRFN2 functions in synaptic adhesion and neuronal development, making it a significant target for neurobiological research.

验证数据

SDS-PAGE



Recombinant LRFN2 protein (His tag) SDS-PAGE
M: Marker; Lane 1: RFN2; Lane 2: BSA