

Datasheet for ABIN7562585

Reticulon 2 Protein (RTN2) (AA 1-471) (His tag)



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Overview

Quantity:	1 mg
Target:	Reticulon 2 (RTN2)
Protein Characteristics:	AA 1-471
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Reticulon 2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rtn2 Protein expressed in mammalian cells.
Sequence:	<p>MGQVLPVFAH CKEAPSTASS TPDSTEGGND DSDFRELHTA REFSEDEEEE TTSQDWGTPR</p> <p>ELTFSYIAFD GVVGSGGRRD SVVRRRPQG RSVSEPRDPP QQSGLGDSLE SIPSLSQSPE</p> <p>PGRRGDPDPV PPAERPLEEL RLRLDQLGWV VRSAGSGEDS ATSSSTPLEN EEPDGLLEASE</p> <p>AGEETNLELR LAQSLHLQLE VLTPQLSPSS GTPQAHTPSP QRSQDSNSGP DDEPLLNVE</p> <p>EHWRLLQEP ITAQCLDSTD QSEFMLEPLL LVADLLYWKD TRTSGAVFTG LMASLLCLLH</p> <p>FSIVSVAHL ALLGLCATIS LRVYRKVLQA VHRGDGTNPF QAYLDMDLTL TREQTERLSQ</p> <p>QIASHVVSTA TQLRHFFLVE DLVDSLKLAL LFYILTFVGA IFNGLTLVIL GVVALFTVPL</p> <p>LYRQHQAQID QYVGLVTNQL SHIKAKIRAK IPGTGTLAPT ASVSGSKAKA E Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	Reticulon 2 (RTN2)
Alternative Name:	Rtn2 (RTN2 Products)
Background:	<p>Reticulon-2 (Neuroendocrine-specific protein-like 1) (NSP-like protein 1) (Neuroendocrine-specific protein-like I) (NSP-like protein I) (NSPLI),FUNCTION: Inhibits amyloid precursor protein processing, probably by blocking BACE1 activity (By similarity). Enhances trafficking of the glutamate transporter SLC1A1/EAAC1 from the endoplasmic reticulum to the cell surface (By similarity). Plays a role in the translocation of SLC2A4/GLUT4 from intracellular membranes to the cell membrane which facilitates the uptake of glucose into the cell (PubMed:19720795). {ECO:0000250 UniProtKB:O75298, ECO:0000250 UniProtKB:Q6WN19, ECO:0000269 PubMed:19720795}.</p>
Molecular Weight:	51.3 kDa
UniProt:	O70622

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months