

Datasheet for ABIN7553259

CACNG7 Protein (AA 1-275) (His tag)



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Overview

Quantity:	1 mg
Target:	CACNG7
Protein Characteristics:	AA 1-275
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CACNG7 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CACNG7 Protein expressed in mammalian cells.
Sequence:	<p>MSHCSSRALT LLSSVFGACG LLLVGIAVST DYWLYMEEGT VLPQNQTTEV KMALHAGLWR</p> <p>VCFFAGREKG RCVASEYFLE PEINLV TENT ENILKTVRTA TPFPMVSLFL VFTAFVISNI</p> <p>GHIRPQRTIL AFVSGIFFIL SGLSLVGLV LYISSINDEV MNRPSSESEQY FHYRYGWSFA</p> <p>FAASSFLLKE GAGVMSVYLF TKRYAEEMY RHPAFYRPR LSDCSDYSGQ FLQPEAWRRG</p> <p>RSPSDISSDV SIQMTQNYPP AIKYPDHLHI STSPC Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p> <p>contact us.</p>

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"> Made to order protein - from design to production - by highly experienced protein experts.
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Product Details

- 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).

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.

If you are not interested in a full length protein, please contact us for individual protein fragments.

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.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	CACNG7
Alternative Name:	CACNG7 (CACNG7 Products)
Background:	Voltage-dependent calcium channel gamma-7 subunit (Neuronal voltage-gated calcium channel gamma-7 subunit) (Transmembrane AMPAR regulatory protein gamma-7) (TARP gamma-7),FUNCTION: Regulates the activity of L-type calcium channels that contain CACNA1C as pore-forming subunit (PubMed:21127204). Regulates the trafficking and gating properties of AMPA-selective glutamate receptors (AMPA). Promotes their targeting to the cell membrane and synapses and modulates their gating properties by slowing their rates of activation, deactivation and desensitization and by mediating their resensitization. Displays subunit-specific AMPA receptor regulation. Shows specificity only for GRIA1 and GRIA2 (PubMed:21172611). {ECO:0000269 PubMed:21127204, ECO:0000269 PubMed:21172611}.
Molecular Weight:	31.0 kDa
UniProt:	P62955

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

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