

Datasheet for ABIN7552945

CACNG5 Protein (AA 1-275) (His tag)



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Overview

Quantity:	1 mg
Target:	CACNG5
Protein Characteristics:	AA 1-275
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CACNG5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat CACNG5 Protein expressed in mammalian cells.
Sequence:	<p>MSACGRKALT LLSSVFAVCG LGLLGIAVST DYWLYLEEGV IVPQNSTEI KMSLHSGLWR</p> <p>VCFLAGEERG RCFTIEYVMP MNTQLTSEST VNVLMIRSA TPFPLVSLFF MFIGFILNNI</p> <p>GHIRPHRTIL AFVSGIFFIL SGLSLVGLV LYISSINDEM LNRTKDAETY FNYKYGWSFA</p> <p>FAAISFLLTE SAGVMSVYLF MKRYTAEDMY RPHPGFYRPR LSNCSYSGQ FLHPDAWVRG</p> <p>RSPDISSEA SLQMNSNYPA LLKCPDYDQM SSSPC 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>

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
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Grade:	custom-made
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Target Details

Target:	CACNG5
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Alternative Name:	CACNG5 (CACNG5 Products)
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Background:	Voltage-dependent calcium channel gamma-5 subunit (Neuronal voltage-gated calcium channel gamma-5 subunit) (Transmembrane AMPAR regulatory protein gamma-5) (TARP gamma-5),FUNCTION: Regulates the gating properties of AMPA-selective glutamate receptors (AMPA receptors). Modulates their gating properties by accelerating their rates of activation, deactivation and desensitization. Displays subunit-specific AMPA receptor regulation. Shows specificity for GRIA1, GRIA4 and the long isoform of GRIA2. Thought to stabilize the calcium channel in an inactivated (closed) state (By similarity). {ECO:0000250}.
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Molecular Weight:	30.9 kDa
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UniProt:	Q9UF02
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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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Application Details

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