Datasheet for ABIN7562887

KCNC1 Protein (AA 1-511) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	KCNC1
Protein Characteristics:	AA 1-511
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kcnc1 Protein expressed in mammalian cells.
Sequence:	MGQGDESERI VINVGGTRHQ TYRSTLRTLP GTRLAWLAEP DAHSHFDYDP RADEFFFDRH PGVFAHILNY YRTGKLHCPA DVCGPLYEEE LAFWGIDETD VEPCCWMTYR QHRDAEEALD SFGGAPLDNS ADDADADGPG DSGDGEDELE MTKRLALSDS PDGRPGGFWR RWQPRIWALF EDPYSSRYAR YVAFASLFFI LVSITTFCLE THERFNPIVN KTEIENVRNG TQVRYYREAE TEAFLTYIEG VCVVWFTFEF LMRVVFCPNK VEFIKNSLNI IDFVAILPFY LEVGLSGLSS KAAKDVLGFL RVVRFVRILR IFKLTRHFVG LRVLGHTLRA STNEFLLLII FLALGVLIFA TMIYYAERIG AQPNDPSASE HTHFKNIPIG FWWAVVTMTT LGYGDMYPQT WSGMLVGALC ALAGVLTIAM PVPVIVNNFG MYYSLAMAKQ KLPKKKKKHI PRPPQLGSPN YCKSVVNSPH HSTQSDTCPL AQEEILEINR AGRKPLRGMS I **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.**
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

	isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits: • 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). 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	KCNC1
Alternative Name:	Kcnc1 (KCNC1 Products)
Background:	Potassium voltage-gated channel subfamily C member 1 (NGK2) (Voltage-gated potassium channel subunit Kv3.1) (Voltage-gated potassium channel subunit Kv4),FUNCTION: Voltage-gated potassium channel that plays an important role in the rapid repolarization of fast-firing brain neurons. The channel opens in response to the voltage difference across the membrane, forming a potassium-selective channel through which potassium ions pass in accordance with their electrochemical gradient (PubMed:2599109, PubMed:1400413). Can form functional homotetrameric channels and heterotetrameric channels that contain variable proportions of KCNC2, and possibly other family members as well. Contributes to fire sustained trains of very brief action potentials at high frequency in pallidal neurons. {ECO:0000250|UniProtKB:P25122, ECO:0000269|PubMed:1400413, ECO:0000269|PubMed:2599109}.
Molecular Weight:	57.9 kDa

Target Details

UniProt:	P15388

Application Details

Application Notes:	We expect the protein to work for functional studies. 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