Datasheet for ABIN7563466

KCNN2 Protein (AA 1-839) (His tag)

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Overview

Quantity:	1 mg
Target:	KCNN2
Protein Characteristics:	AA 1-839
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNN2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Kcnn2 Protein expressed in mammalian cells.
Sequence:	MPIVLVRPTN RTRRLDSTGA GMGPSSHQQQ ESPLPTITHC AGCTTAWSPC SFNSSDMETP LQFQRGFFPE QPPPPPRSSH LHCQQQQQSQ DKPCAPFAPL PHPHHHPHLA HQQPGSGGSS PCLRCNSCAS SGAPAAGAGA GDNLSLLLRT SSPGGAFRTR TSSPLSGSSC CCCCSSRRGS QLNVSELTPS SHASALRQQY AQQPASASQY HQCHSLQPAT SPTGSLGSLG SGPPLSHHHH HPHPAHHQHH QPQARRESNP FTEIAMSSCR YNGGVMRPLS NLSSSRRNLQ EMDSEAQPLQ PPASVVGGGG GASSPSAAAA ASSSAPEIVV SKPEHNNSNN LALYGTGGGG STGGGGGGSG HGSSSGTKSS KKKNQNIGYK LGHRRALFEK RKRLSDYALI FGMFGIVVMV IETELSWGAY DKASLYSLAL KCLISLSTII LLGLIIVYHA REIQLFMVDN GADDWRIAMT YERIFFICLE ILVCAIHPIP GNYTFTWTAR LAFSYAPSTT TADVDIILSI PMFLRLYLIA RVMLLHSKLF TDASSRSIGA LNKINFNTRF VMKTLMTICP GTVLLVFSIS LWIIAAWTVR ACERYHDQQD VTSNFLGAMW LISITFLSIG YGDMVPNTYC GKGVCLLTGI MGAGCTALVV AVVARKLELT KAEKHVHNFM MDTQLTKRVK NAAANVLRET WLIYKNTKLV KKIDHAKVRK HQRKFLQAIH QLRSVKMEQR

Product Details

	KLNDQANTLV DLAKTQNIMY DMISDLNERS EDFEKRIVTL ETKLETLIGS IHALPGLISQ TIRQQQRDFI ETQMENYDKH VSYNAERSRS SSRRRRSSST APPTSSESS **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 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:	KCNN2
Alternative Name:	Kcnn2 (KCNN2 Products)
Background:	Small conductance calcium-activated potassium channel protein 2 (SK2) (SKCa 2) (SKCa2) (KCa2.2),FUNCTION: Forms a voltage-independent potassium channel activated by intracellular calcium (PubMed:11557517, PubMed:13679367, PubMed:14657188). Activation is followed by membrane hyperpolarization. Thought to regulate neuronal excitability by contributing to the slow component of synaptic afterhyperpolarization. {ECO:0000269|PubMed:11557517, ECO:0000269|PubMed:13679367, ECO:0000269|PubMed:14657188}.

Target Details

Molecular Weight:	91.6 kDa
UniProt:	P58390

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

