

Datasheet for ABIN7554304 KCNT2 Protein (AA 1-1135) (His tag)



Overview

Quantity:	1 mg
Target:	KCNT2
Protein Characteristics:	AA 1-1135
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNT2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNT2 Protein expressed in mammalian cells.
Sequence:	MVDLESEVPP LPPRYRFRDL LLGDQGWQND DRVQVEFYMN ENTFKERLKL FFIKNQRSSL
	RIRLFNFSLK LLSCLLYIIR VLLENPSQGN EWSHIFWVNR SLPLWGLQVS VALISLFETI
	LLGYLSYKGN IWEQILRIPF ILEIINAVPF IISIFWPSLR NLFVPVFLNC WLAKHALENM INDLHRAIQR
	TQSAMFNQVL ILISTLLCLI FTCICGIQHL ERIGKKLNLF DSLYFCIVTF STVGFGDVTP
	ETWSSKLFVV AMICVALVVL PIQFEQLAYL WMERQKSGGN YSRHRAQTEK HVVLCVSSLK
	IDLLMDFLNE FYAHPRLQDY YVVILCPTEM DVQVRRVLQI PMWSQRVIYL QGSALKDQDL
	LRAKMDDAEA CFILSSRCEV DRTSSDHQTI LRAWAVKDFA PNCPLYVQIL KPENKFHIKF
	ADHVVCEEEF KYAMLALNCI CPATSTLITL LVHTSRGQEG QQSPEQWQKM YGRCSGNEVY
	HIVLEESTFF AEYEGKSFTY ASFHAHKKFG VCLIGVRRED NKNILLNPGP RYIMNSTDIC
	FYINITKEEN SAFKNQDQQR KSNVSRSFYH GPSRLPVHSI IASMGTVAID LQDTSCRSAS
	GPTLSLPTEG SKEIRRPSIA PVLEVADTSS IQTCDLLSDQ SEDETTPDEE MSSNLEYAKG
	YPPYSPYIGS SPTFCHLLHE KVPFCCLRLD KSCQHNYYED AKAYGFKNKL IIVAAETAGN

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GLYNFIVPLR AYYRPKKELN PIVLLLDNPP DMIHFLDAICW FPMVYYMVGS IDNLDDLLRC GVTFAANMVV VDKESTMSAE EDYMADAKTI VNVOTLFRLF SSLSIITELT HPANMRFMOF RAKDCYSLAL SKLEKKERER GSNLAFMFRL PFAAGRVFSI SMLDTLLYQS FVKDYMISIT RLLLGLDTTP GSOFLCSMKI TADDLWRTY ARLYQKLCSS TGDVPIOIYR TESQKLTTSE SQISISVEEW EDTKDSKEQG HHRSINHRSDT SSDQSDHPLL RKKSMQWARR LSRKGRKHSG KTAEKTOQR LNLYRRSERQ ELAELVKNRM KHLGLSTVGY DEMNDHOGTL SYILINPSPD TRIELNDVYV LIRPDPLAYL PNSEPSRNS ICNVTGQDSR EETQL 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. Specificity: 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, plea		
RAKDCYSLAL SKLEKKERER GSNLAFMERL PFAAGRVFSI SMLDTLLYQS FVKDYMISIT RLLLGLDTTP GSGFLCSMKI TADDLWIRTY ARLYQKLCSS TGDVPIGIYR TESQKLTTSE SQISISVEEW EDTKDSKEQG HHRSNHRNST SSDQSDHPLL RRKSMOWARR LSRKGPKHSG KTAEKITQQR LNLYRRSERQ ELAELVKNRM KHLGLSTVGY DEMNDHQSTL SYLLINPSPD TRIELNDWY LIRPDPLAYL PNSEPSRRNS ICNVTGQDSR EETQI. 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 oustom 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 (HPLO)Grade:custom-made		GLYNFIVPLR AYYRPKKELN PIVLLLDNPP DMHFLDAICW FPMVYYMVGS IDNLDDLLRC
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SQISISVEEW EDTKDSKEQG HHRSNHRNST SSDQSDHPLL RRKSMQWARR LSRKGPKHSG KTAEKITQQR LNLYRRSERQ ELAELVKNRM KH.GLSTVGY DEMNDHOSTL SYILINPSPD TRIELNDWYY LIRPDPLAYL PNSEPSRRNS IONVTGQDSR EETOL 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: • Protein 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.Protein expressed in a full length protein, please contact us for individual protein fragments.If you are not interested in a full length protein, please contact us for individual protein fragments.Purity:>90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)Grade:Custom-made		RAKDCYSLAL SKLEKKERER GSNLAFMFRL PFAAGRVFSI SMLDTLLYQS FVKDYMISIT
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	Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Target Details	Grade:	custom-made
	Target Details	

Target:	KCNT2
Alternative Name:	KCNT2 (KCNT2 Products)
Background:	Potassium channel subfamily T member 2 (Sequence like an intermediate conductance

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Target Details

	potassium channel subunit) (Sodium and chloride-activated ATP-sensitive potassium channel Slo2.1),FUNCTION: Outward rectifying potassium channel. Produces rapidly activating outward rectifier K(+) currents. Activated by high intracellular sodium and chloride levels (PubMed:14684870, PubMed:16687497, PubMed:29069600). Channel activity is inhibited by ATP and by inhalation anesthetics, such as isoflurane (PubMed:16687497) (By similarity).
	Inhibited upon stimulation of G-protein coupled receptors, such as CHRM1 and GRM1
	(PubMed:16687497). {ECO:0000250 UniProtKB:Q6UVM4, ECO:0000269 PubMed:14684870,
	ECO:0000269 PubMed:16687497, ECO:0000269 PubMed:29069600}.
Molecular Weight:	130.5 kDa
UniProt:	Q6UVM3
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