

Datasheet for ABIN7554241
KCNT1 Protein (AA 1-1230) (His tag)



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Overview

Quantity:	1 mg
Target:	KCNT1
Protein Characteristics:	AA 1-1230
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCNT1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCNT1 Protein expressed in mammalian cells.
Sequence:	MARAKLPRSP SEGKAGPGGA PAGAAPEEP HGLSPLLPAR GGGSVGSDVG QRLPVEDFSL DSSLSQVQVE FYVNENTFKE RLKLEFFIKNQ RSSLRIRLFN FSLKLLTCLL YIVRVLLDDP ALGIGCWGCP KQNYSFNDSS SEINWAPILW VERKMTLWAI QVIVAIISFL ETMLLIYLSY KGNIEWEQIFR VSFVLEMINT LPFIITIFWP PLRNLFIPVF LNCWLAKHAL ENMINDFHRA ILRTQSAMFN QVLILFCTLL CLVFTGTCGI QHLERAGENL SLLTSFYFCI VTFSTVGYGD VTPKIWPSQL LVVIMICVAL VVLPLQFEEL VYLWMERQKS GGNYSRHRQAQ TEKHVVLCVS SLKIDLLMDF LNEFYAHPRL QDYYVVILCP TEMDVQVRRV LQIPLWSQRV IYLQGSALKD QDLMRAKMDN GEACFILSSR NEVDRTAADH QTILRAWAVK DFAPNCPLYV QILKPENKFH VKFADHVVCE EECKYAMLAL NCICPATSTL ITLLVHTSRG QEQQESPEQW QRMYGRCSGN EVYHIRMGDS KFFREYEGKS FTYAAFHAHK KYGVCLIGLK REDNKSILLN PGPRHILAAS DTCFYINITK EENSAFIFKQ EEKRKKRAFS GQGLHEGPAR LPVHSIIASM GTVAMDLQGT EHRPTQSGGG GGGSKLALPT ENGSGSRRPS IAPVLELADS SALLPCDLLS DQSEDEVTPS

Product Details

DDEGLSVVEY VKGYPPNSPY IGSSPTLCHL LPVKAPFCCL RLDKGCKHNS YEDAKAYGFK
NKLIVSAET AGNGLYNFIV PLRAYYRSRK ELNPIVLLLD NKPDDHFFLEA ICCFPMVYYM
EGSVDNLDL LQCGIYADN LVVVDKESTM SAEEDYMADA KTIVNVQTMF RLFPSLSITT
ELTHPSNMRF MQFRAKDSYS LALSKLEKRE RENGSNLAFM FRLPFAAGRV FSISMLDPLL
YQSFVKDYMI TITRLLLGLD TTPGSGYLCA MKITEGDLWI RTYGRLFQKL CSSSAEPIG
IYRTESHVFS TSEQISVNV EDCEDTREVK GPWGSRAGTG GSSQGRHTGG GDPAEHPLL
RKSLQWARRL SRKAPKQAGR AAAAEWISQQ RLSLYRRSER QELSELVKNR MKHLGLPTTG
YEDVANLTAS DVMNRVNLGY LQDEMNDHQN TLSYVLINPP PDTRLEPSDI VYLIRSDPLA
HVASSQSRK SSCSHKLSSC NPETREDETQL **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: KCNT1

Target Details

Alternative Name:	KCNT1 (KCNT1 Products)
Background:	Potassium channel subfamily T member 1 (KCa4.1),FUNCTION: Outwardly rectifying potassium channel subunit that may coassemble with other Slo-type channel subunits. Activated by high intracellular sodium or chloride levels. Activated upon stimulation of G-protein coupled receptors, such as CHRM1 and GRIA1. May be regulated by calcium in the absence of sodium ions (in vitro) (By similarity). {ECO:0000250}.
Molecular Weight:	138.3 kDa
UniProt:	Q5JUK3

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