

Datasheet for ABIN7564161  
**KCNT1 Protein (AA 1-1224) (His tag)**



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## Overview

Quantity:	1 mg
Target:	KCNT1
Protein Characteristics:	AA 1-1224
Origin:	Mouse
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:	<p>MARAKLPRSP SEGKAGPGDT PAGAAPEEP HGLSPLLPAR GGGSVGSDVG QRVQVEFYVN</p> <p>ENTFKERLKL FFIKNQRSSL RIRLFNFSK LLTCLLYIVR VLLDNPQGI GCWGCTKYN</p> <p>TFNGSSSEFH WAPILWVERK MALWVIQVIV ATISFLETML IYLSYKGN IWEQIFHVSFV</p> <p>LEMINTLPFI ITVFWPLRN LFIPVFLNCW LAKHALENMI NDFHRAILRT QSAMFNQVLI</p> <p>LFCTLLCLVF TGTCGIQHLE RAGGNLNLTT SFYFCIVTFS TVGFGDVTPK IWPSQLLVVI</p> <p>LICVTLVVLP LQFEELVYLW MERQKSGGNY SRHRARTEKH VVLCVSSLKI DLLMDFLNEF</p> <p>YAHPRQLQDYY VVILCPSEMD VQVRRVLQIP LWSQRVIYLQ GSALKDQDLM RAKMDNGEAC</p> <p>FILSSRNEVD RTAADHQTIL RAWAVKDFAP NCPLYVQILK PENKFHVKFA DHVVCEEECK</p> <p>YAMLALNCIC PATSTLITLL VHTSRGQEGQ ESPEQWQRTY GRCSGNEVYH IRMGDSKFFR</p> <p>EYEGKSFTYA AFHAHKKYGV CLIGLKREEN KSILLNPGPR HILAASDTCF YINITKEENS</p> <p>AFIFKQEEKQ KRRGLAGQAL YEGPSRLPVH SIIASMGTV A MDLQNTDCRP SQGGSGGDGT</p> <p>KLTLPTENG SRRPSIAPV LELADSSALL PCDLLSDQSE DEVTPSDDEG LSVVEYVKG Y</p>

PPNSPYIGSS PTLCHLLPVK APFCCLRLDK GCKHNSYEDA KAYGFKNKLI IVSAETAGNG  
LYNFIVPLRA YYRSRRELNP IVLLLDNKP D HHFLEAICCF PMVYYMEGSV DNLDSSLQCG  
IYADNLVVV DKESTMSAEE DYMAKATIV NVQTMFRLFP SLSITTELTH PSNMRFMQFR  
AKDSYSLALS KLEKQERENG SNLAFMFRLP FAAGRVFSIS MLDTLTYQSF VKDYMITITR  
LLLGLDTPPG SGYLCAMKVT EDDLWIRTYG RLFQKLCSSS AEIPIGIYRT ECHVFSEPHD  
VRAQSQISVN MEDCEDTREA KGPWGTRAAS GSGSTHGRHG GSADPVEHPL LRRKSLQWAR  
KLSRKSTKQA GKAPVATDWI TQQRSLYRR SERQELSELV KNRMKHLGLP TTGYEDVANL  
TASDVMNRVN LGYLQDEMND HHQNTLSYVL INPPPDTRLE PNDIVYLIRS DPLAHVASSS  
QSRKSSCSNK LSSCNPETRD ETQL **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	KCNT1
Alternative Name:	Kcnt1 ( <a href="#">KCNT1 Products</a> )

## Target Details

Background:	Potassium channel subfamily T member 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:	138.1 kDa
UniProt:	<a href="#">Q6ZPR4</a>

## 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