

Datasheet for ABIN7548704
KCTD16 Protein (AA 1-428) (His tag)



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Overview

Quantity:	1 mg
Target:	KCTD16
Protein Characteristics:	AA 1-428
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCTD16 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCTD16 Protein expressed in mammalian cells.
Sequence:	<p>MALSGNCSRY YPREQGS AVP NSFPEVELN VGGQVYFTRH STLISIPHSL LWKMFSPKRD TANDLAKDSK GRFFIDRDGF LFRYILDYLR DRQVVLDPHF PEKGR LKREA EYFQLPDLVK LLTPDEIKQS PDEFCHSDFE DASQGS DTRI CPPSSLLPAD RKWGFITVGY RGSCTLGREG QADAKFRRVP RILVCGRISL AKEVFGETLN ESRDPDRAPE RYTSRFY LKF KHLERAFDML SECGFHMVAC NSSVTASFIN QYTDDKIWSS YTEYVFYREP SRWSPSHCDC CCKNGKGDKE GESGTSCNDL STSSCDSQSE ASSPQETVIC GPVTRQTNIQ TLDRIKKG P VQLIQQSEMR RKSDLLR TLT SGSRESNMSS KKKAVKEKLS IEEEEKCIQ DFLKIKIPDR FPERKHPWQS ELLRKYHL 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.</p>
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.

Product Details

Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <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>
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Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	KCTD16
Alternative Name:	KCTD16 (KCTD16 Products)
Background:	BTB/POZ domain-containing protein KCTD16 (Potassium channel tetramerization domain-containing protein 16),FUNCTION: Auxiliary subunit of GABA-B receptors that determine the pharmacology and kinetics of the receptor response. Increases agonist potency and markedly alter the G-protein signaling of the receptors by accelerating onset and promoting desensitization (By similarity). {ECO:0000250 UniProtKB:Q5DTY9}.
Molecular Weight:	49.1 kDa
UniProt:	Q68DU8
Pathways:	Synaptic Membrane, Regulation of G-Protein Coupled Receptor Protein Signaling

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.
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Application Details

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