Datasheet for ABIN7554220

KCTD11 Protein (AA 1-232) (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	KCTD11
Protein Characteristics:	AA 1-232
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This KCTD11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant KCTD11 Protein expressed in mammalian cells.
Sequence:	MLGAMFRAGT PMPPNLNSQG GGHYFIDRDG KAFRHILNFL RLGRLDLPRG YGETALLRAE ADFYQIRPLL DALRELEASQ GTPAPTAALL HADVDVSPRL VHFSARRGPH HYELSSVQVD TFRANLFCTD SECLGALRAR FGVASGDRAE GSPHFHLEWA PRPVELPEVE YGRLGLQPLW TGGPGERREV VGTPSFLEEV LRVALEHGFR LDSVFPDPED LLNSRSLRFV RH **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.

Product Details

	• 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:	KCTD11
Alternative Name:	KCTD11 (KCTD11 Products)
Background:	BTB/POZ domain-containing protein KCTD11 (KCASH1 protein) (Potassium channel tetramerization domain-containing protein 11) (RING-type E3 ubiquitin transferase subunit KCTD11),FUNCTION: Plays a role as a marker and a regulator of neuronal differentiation, Up-regulated by a variety of neurogenic signals, such as retinoic acid, epidermal growth factor/EGF and NGFB/nerve growth factor. Induces apoptosis, growth arrest and the expression of cyclin-dependent kinase inhibitor CDKN1B. Plays a role as a tumor repressor and inhibits cell growth and tumorigenicity of medulloblastoma (MDB). Acts as a probable substrate-specific adapter for a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex towards HDAC1. Functions as antagonist of the Hedgehog pathway on cell proliferation and differentiation by affecting the nuclear transfer of transcription factor GLI1, thus maintaining cerebellar granule cells in undifferentiated state, this effect probably occurs via HDAC1 down-regulation, keeping GLI1 acetylated and inactive. When knock-down, Hedgehog antagonism is impaired and proliferation of granule cells is sustained. Activates the caspase cascade. {ECO:0000269|PubMed:15249678, ECO:0000269|PubMed:20081843, ECO:0000269|PubMed:21237243}.
Molecular Weight:	25.9 kDa

Target Details

UniProt:	Q693B1
Pathways:	Hedgehog 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.
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

