
Product Data Sheet

Product Name: KCTD11 Human
 Cat. No.: GP23735
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	C17orf36; KCASH1; MGC129844; REN; REN/KCTD11; KCTD11; BTB/POZ domain-containing protein KCTD11.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MLGAMFRAGT PMPPNLNSQG GGHYFIDRDG KAFRHILNFL RLGRLDLPRG YGETALLRAE ADFYQIRPLL DALRELEASQ GTPAPTAALL HADVDVSPRL VHFSARRGPH HYELSSVQVD TFRANLFCTD SECLGALRAR FGVASGDRAE GSPHFHLEWA PRPVELPEVE YGRLGLQPLW TGGPGERREV VGTPSFLEEV LRVALEHGFR LDSVFPDPED LLNSRSLRFV RH.		
Formulation	KCTD11 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Potassium Channel Tetramerisation Domain Containing 11 (KCTD11) is a 232 amino acid regulator of neuronal differentiation which induces growth arrest, apoptosis and the expression of p27 (cyclin-dependent kinase inhibitor). KCTD11 is expressed most highly in cerebellum. KCTD11 functions as an antagonist of the Hedgehog pathway and activator of the caspase cascade and among its related super-pathways are Melatonin Signaling and Activation of cAMP-Dependent PKA.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

KCTD11 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 252 amino acids (1-232a.a) and having a molecular mass

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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of 28kDa. KCTD11 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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