
Product Data Sheet

Product Name: KCTD4 Human
 Cat. No.: GP23733
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Potassium Channel Tetramerization Domain Containing 4; PotassiumChannel Tetramerisation Domain Containing 4; bA321C24.3; BTB/POZDomain-Containing Protein KCTD4.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMERKINR REKEKEYEGK HNSLEDTDQG KNCKSTLMTL NVGGYLYITQKQTLTKYPDT FLEGIVNGKI LCPFDADGHY FIDRDGLLFR HVLNFLRNGE LLLPEGFREN QLLAQEAEFFQLKGLAEEVK SRWEKEQLTP RETTFLEITD NHDRSQGLRI FCNAPDFISK IKSRIVLVSK SRLDGFPEEF SISSNIIQFK YFIKSENGTRLVLKEDNTFV CTLETLKFEA IMMALKCGFR LLTSLDCSKG SIVHSDALHF IK		
Formulation	KCTD4 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 40%glycerol and 1mM DTT.		

Introduction

KCTD4 also known as Potassium Channel Tetramerisation Domain Containing 4 has an N-terminal homodimerization domain which contains multiple copies of kelch repeats and C2H2-type zinc fingers. Proteins which include BTB domains are considered being involved in transcriptional regulation through control of chromatin structure and function. In addition, KCTD4 is a 259 amino acid protein which contains one BTB domain, a possible role as a transcriptional regulator may be suggested.

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). Please avoid freeze thaw cycles.

Background

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

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KCTD4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 282 amino acids (1-259 a.a) and having a molecular mass of 32.4kDa. KCTD4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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