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## Product Data Sheet

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Product Name: KCTD15 Human

Cat. No.: GP23736

Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	BTB/POZ domain-containing protein KCTD15; Potassium channel tetramerisation domain containing 15; KCTD15; MGC2628; MGC25497.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MPHRKERPSG SSLHTHGSTG TAEGGNMSRL SLTRSPVSPL AAQGIPLPAQ LTKSNAPVHI DVGSHMYTSS LATLTKYPDS RISRLFNGTE PIVLDSLKQH YFIDRDGEIF RYVLSFLRTS KLLLPDDFKD FSLLYEEARY YQLQPMVREL ERWQQEQEQR RRSRACDCLV VRVTPDLGER IALSGEKALI EEVFPETGDV MCNSVNAGWN QDPHTVIRFP LNGYCRLNSV QDVL.		
Formulation	KCTD15 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

**Introduction**

KCTD15 protein is encoded in humans by the KCTD15 gene. KCTD15 is expressed at a high level in the brain and the hypothalamus. The potassium channel KCTD15 was identified as a genetic loci linked to higher than normal BMI in humans along with genes such as GNPDA2, MTCH2, FTO, and TMEM18. SNPs (Single nucleotide polymorphisms) in non-diabetic and diabetic patients showed that FTO was most strongly associated with obesity while MTCH2 and GNPDA2 were still notably associated with higher than normal BMI levels.

**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**

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

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KCTD15 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 254 amino acids (1-234 a.a) and having a molecular mass of 28.6kDa. KCTD15 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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