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32-4045: Recombinant Human Potassium Channel Tetramerisation Domain Containing 15

Alternative Name : BTB/POZ domain-containing protein KCTD15,Potassium channel tetramerisation domain containing 15,KCTD15,MGC2628,MGC25497.

Description

Source : E.coli. 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. 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.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	KCTD15 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MPHRKERPSG SSLHTHGSTG TAEGGNMSRL SLTRSPVSPL AAQGIPLPAQ LTKSNAPVHI DVGSHMYTSS LATLTKYPDS RISRLFNGTE PIVLDSLKQH YFIDRDGEIF RYVLSFLRTS KLLLPDDFKD FSLLYEEARY YQLQPMVREL ERWQQEQEQR RRSRACDCLV VRVTPDLGER IALSGEKALI EEVFPETGDV MCNSVNAGWN QDPTHVIRFP LNGYCRLNSV QDVL.