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### Recombinant human KCTD15 protein

Catalog Number: ATGP1893

#### **PRODUCT INFORMATION**

#### **Expression system**

E.coli

#### **Domain**

1-234aa

#### UniProt No.

096SI1

#### **NCBI Accession No.**

NP 076981

#### **Alternative Names**

BTB/POZ domain-containing protein KCTD15, MGC25497, MGC2628

#### PRODUCT SPECIFICATION

#### **Molecular Weight**

28.6 kDa (254aa)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

#### **Purity**

> 90% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

#### **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **Description**

Potassium channel tetramerisation domain containing 15, also known as KCTD15, may be associated with obesity. KCTD15 was identified as a genetic loci associated with higher than normal body mass index (BMI) in humans along with genes such as GNPDA2, MTCH2, FTO, and TMEM18. Recombinant human KCTD15 protein, fused to His-tag at N-terminus, was expressed in E. coli.

#### **Amino acid Sequence**

MGSSHHHHHH SSGLVPRGSH MPHRKERPSG SSLHTHGSTG TAEGGNMSRL SLTRSPVSPL AAOGIPLPAO LTKSNAPVHI



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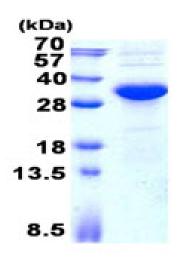
DVGSHMYTSS LATLTKYPDS RISRLFNGTE PIVLDSLKQH YFIDRDGEIF RYVLSFLRTS KLLLPDDFKD FSLLYEEARY YQLQPMVREL ERWQQEQEQR RRSRACDCLV VRVTPDLGER IALSGEKALI EEVFPETGDV MCNSVNAGWN QDPTHVIRFP LNGYCRLNSV QDVL

#### **General References**

Dephoure N., et al. (2008) Proc. Natl. Acad. Sci. u.S.A. 105:10762-10767 Burkard T.R., et al. (2011) BMC Syst. Biol. 5:17-17

#### **DATA**

#### **SDS-PAGE**



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

