

## 32-5040: Recombinant Human TBC1 Domain Family, Member 1

**Alternative Name :** TBC1 (Tre-2/USP6,BUB2,Cdc16) Domain Family,Member 1,KIAA1108, TBC,TBC1,TBC1 Domain Family Member 1.

### Description

Source : Escherichia Coli. TBC1D1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 288 amino acids (1-265 a.a) and having a molecular mass of 33.2kDa.TBC1D1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TBC1D1 belongs to a family of proteins sharing a 180-200 a.a TBC domain having a role in regulating cell growth and differentiation of various tissues. These proteins share significant homology with TRE2, yeast Bub2, and CDC16. TBC1D1 function as a GTPase-activating protein for Rab family proteins. TBC1D1 is involved in the trafficking and translocation of GLUT4-containing vesicles and insulin-stimulated glucose uptake into cells. Among the diseases associated with TBC1D1 are tuberculous meningitis, and meningitis.

### Product Info

**Amount :** 20 µg  
**Purification :** "Greater than 90.0% as determined by SDS-PAGE."  
**Content :** TBC1D1 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).Please avoid freeze thaw cycles.  
**Amino Acid :** MGSSHHHHHH SGLVPRGSH MGSMSEEEAF KMLKFLMFDM GLRKQYRPDM IILQIQMYQL  
SRLLDYHRD LYNHLEEHEI GPSLYAAPWF LTMFASQFPL GFVARVFDMI FLQGTEVIFK VALSLLGSHK  
PLILQHENLE TIVDFIKSTL PNLGLVQMEK TINQVFEMDI AKQLQAYEVE YHVLQEELID SSPLSDNQRN  
DKLEKTNSSL RKQNLDLLEQ LQVANGRIQS LEATIEKLLS SESKCLKQAML TLELERSALL QTVEELRRRS  
AEPDREPEC TQPEPTGD