

Recombinant Human TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1, His-tagged

Cat. No. TBC1D1-329H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TBC1D1, 1-265aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-265 a.a.
Description	TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1, also known as TBC1D1, may act as a GTPase-activating protein for Rab family protein(s). This protein may play a role in the cell cycle and differentiation of various tissues. This protein is involved in the trafficking and translocation of GLUT4-containing vesicles and insulin-stimulated glucose uptake into cells. Recombinant human TBC1D1 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.4M Urea
Molecular Mass	33.2 kDa (288aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSEEEAF KMLKFLMFDM GLRKQYRPDM IILQIQMYQL SROLLHDYHRD LYNHLEEHEI GPSLYAAPWF LTMFASQFPL GFVARVFDMI FLQGTEVIFK VALSLLGSHK PLILQHENLE TIVDFIKSTL PNLGLVQMEK TINQVFEMDI AKQLQAYEVE YHVLQEELID SSPLSDNQRM DKLEKTNSSL RKQNLDLLEQ LQVANGRIQS LEATIEKLLS SESKCLKQAML

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TLELERSALL QTVEELRRRS AEPSDREPEC TQPEPTGD

Purity >90% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name TBC1D1 TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1 [Homo sapiens]

Official Symbol TBC1D1

Synonyms TBC1D1; TBC1 (tre-2/USP6, BUB2, cdc16) domain family, member 1; TBC1 domain family member 1; KIAA1108; TBC; TBC1;

Gene ID 23216

mRNA Refseq NM_001253912

Protein Refseq NP_001240841

MIM 609850

UniProt ID Q86T10

Chromosome Location 4p14

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Function

GTPase activator activity; Rab GTPase activator activity;

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