
Product Data Sheet

Product Name: TBC1D1 Human
 Cat. No.: GP24786
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	TBC1 (Tre-2/USP6; BUB2; Cdc16) Domain Family; Member 1; KIAA1108;TBC; TBC1; TBC1 Domain Family Member 1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMSEEEAF KMLKFLMFDM GLRKQYRPDM IILQIQMYQL SROLLHDYHRDLYNHLEEHEI GPSLYAAPWF LTMFASQFPL GFVARVFDMI FLQGTEVIFK VALSLLGSHK PLILQHENLETIVDFIKSTL PNLGLVQMEK TINQVFEMDI AKQLQAYEVE YHVLQEELID SSPLSDNQRM DKLEKTNSSL RKQNLDLLEQ LQVANGRIQSLEATIEKLLS SESKLGQAML TLELERSALL QTVEELRRRS AEPDREPEC TQPEPTGD		
Formulation	TBC1D1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M urea and 10% glycerol.		

Introduction

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. Among the diseases associated with TBC1D1 are tuberculous meningitis, and meningitis.

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). Please avoid freeze thaw cycles.

Background

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

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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.

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