

## Product datasheet for **TP303323M**

### **TGN46 (TGOLN2) (NM\_006464) Human Recombinant Protein**

#### **Product data:**

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human trans-golgi network protein 2 (TGOLN2), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC203323 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MRFVVALVLLNVAAGAVPLLATESVKQEDAGVRPSAGNVSTHPSLSQRPGGSTKSHPEPQTPKDSPSKS  
SAEAQTPEDTPNKSGAEAKTQKSSNKSGAEAKTQKSGTSKSGSEAQTTKDSTSKSHPELQTPKDSTGKS  
GAEQTPEDSPNRSGAEAKTQKDSPSKSGSEAQTTKDVPNKSGADGQTPKDGSSKSGAEDQTPKDVPNKS  
GAEQTPKDGSNKSGAEEQGPIDGPSKSGAEEQTSKDSPNKVVPEQPSRKDHSKPISNPSDNKELPKADT  
NQLADK GKLS PHAFKTESGEETDLISPPQEEVKSSSEPTEDVEPKAEEDDGTGPEEGSPPKEEKEKMSGSA  
SSENLREGTLDSTGSEKDDLYPNGSGNGSAESSHFFAYLVTAAILVAVLYIAHHNKRKIIAFVLEGKRSK  
VTRRPKASDYQRLDQKS

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 45.7 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_006455](#)



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Locus ID: 10618

UniProt ID: [O43493](#)

RefSeq Size: 6373

Cytogenetics: 2p11.2

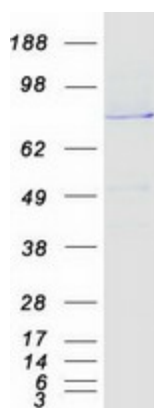
RefSeq ORF: 1311

Synonyms: hTGN46; hTGN48; hTGN51; TGN38; TGN46; TGN48; TGN51; TTGN2

**Summary:** This gene encodes a type I integral membrane protein that is localized to the trans-Golgi network, a major sorting station for secretory and membrane proteins. The encoded protein cycles between early endosomes and the trans-Golgi network, and may play a role in exocytic vesicle formation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2011]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified TGOLN2 protein (Cat# [TP303323]). The protein was produced from HEK293T cells transfected with TGOLN2 cDNA clone (Cat# [RC203323]) using MegaTran 2.0 (Cat# [TT210002]).