

## Product datasheet for PH303323

### TGN46 (TGOLN2) (NM\_006464) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TGOLN2 MS Standard C13 and N15-labeled recombinant protein (NP_006455)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC203323
Predicted MW:	45.9 kDa
Protein Sequence:	>RC203323 protein sequence Red=Cloning site Green=Tags(s)

MRFVVALVLLNVAAGAVPLLATESVKQEDAGVVRPSAGNVSTHPSLSQRPGGSTKSHPEPQTPKDSPSKS  
SAEAQTPEDTPNKSGAEAKTQKDSNKSAGAEAKTQKGGSTSKSGSEAQTTKDSTKSHPELQTPKDSTGKS  
GAEAQTPEDSPNRSGAEAKTQKDSPSKSGSEAQTTKDVPNKSGADGQTPKDGSSKSGAEDQTPKDVPNK  
GAEKQTPKDGSNKSGAEEQGPIDGPSKSGAEEQTSKDSPNKVVPEQPSRKDHSKPI SNPSDNKELPKADT  
NQLADKGLSPHAFKTESGEETDLISPPQEEVKSEPTEDVEPKAEEDDGTGPEEGSPPKEEKEKMSGSA  
SSENREGTLDSTGSEKDDLYPNGSGNGSAESSHFFAYLVTAAILVAVLYIAHHNKRKIIAFVLEGKRKSK  
VTRRPKASYQRLDQKS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_006455</a>
RefSeq Size:	6373
RefSeq ORF:	1311
Synonyms:	hTGN46; hTGN48; hTGN51; TGN38; TGN46; TGN48; TGN51; TTGN2



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Locus ID: 10618

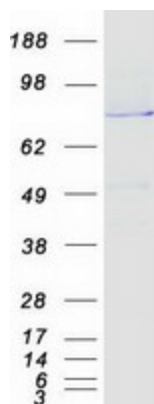
UniProt ID: [O43493](#)

Cytogenetics: 2p11.2

**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]).