

Product datasheet for PH304776

TAX1BP3 (NM_014604) Human Mass Spec Standard

Product data:

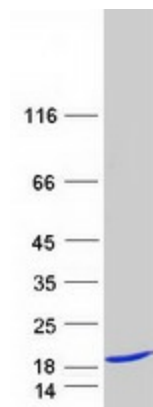
Product Type:	Mass Spec Standards
Description:	TAX1BP3 MS Standard C13 and N15-labeled recombinant protein (NP_055419)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204776
Predicted MW:	13.7 kDa
Protein Sequence:	>RC204776 protein sequence Red=Cloning site Green=Tags(s) MSYIPGQPVTAVVQRVEIHKLRQGENLILGFSIGGGIDQDPSQNPFSEDKTDKGIYVTRVSEGGPAEIIAG LQIGDKIMQVNGWDMTMVTHDQARKRLTKRSEEVVRLLVTRQSLQKAVQQSMLS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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:	NP_055419
RefSeq Size:	1398
RefSeq ORF:	372
Synonyms:	TIP-1; TIP1
Locus ID:	30851
UniProt ID:	O14907
Cytogenetics:	17p13.2



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Summary:

This gene encodes a small, highly conserved protein with a single PDZ domain. PDZ (PSD-95/Discs large/ZO-1 homologous) domains promote protein-protein interactions that affect cell signaling, adhesion, protein scaffolding, and receptor and ion transporter functions. The encoded protein interacts with a large number of target proteins that play roles in signaling pathways; for example, it interacts with Rho A and glutaminase L and also acts as a negative regulator of the Wnt/beta-catenin signaling pathway. This protein was first identified as binding to the T-cell leukaemia virus (HTLV1) Tax oncoprotein. Overexpression of this gene has been implicated in altered cancer cell adhesion, migration and metastasis. The encoded protein also modulates the localization and density of inwardly rectifying potassium channel 2.3 (Kir2.3). To date, this protein has been shown to play a role in cell proliferation, development, stress response, and polarization. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Apr 2017]

Product images:

Coomassie blue staining of purified TAX1BP3 protein (Cat# [TP304776]). The protein was produced from HEK293T cells transfected with TAX1BP3 cDNA clone (Cat# [RC204776]) using MegaTran 2.0 (Cat# [TT210002]).