

## Product datasheet for PH324094

### TRIOBP (NM\_138632) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TRIOBP MS Standard C13 and N15-labeled recombinant protein (NP_619538)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC224094
Predicted MW:	47.4 kDa
Protein Sequence:	>RC224094 representing NM_138632 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MGGWKGPQRRGKEGPEARRRAAERGGGGGGVPAPRSPAREPRPRSCLLPPPWGAAMTPDLLNFKKG  
 WMSILDEPGEPSPSLTTTSTSQWKHWFVLTDSLKYRDSTAEAEDEL DGEIDLRSC TDVTEYAVQRN  
 YGFQIHTKDAVYTL SAMTSGIRRNWIEALRKT VRPTSAPDVTKLSDSNKENALHSYSTQKGPLKAGEQRA  
 GSEVISRGGPRKADGQRQALDYVEL SPLTQASPQRARTPARTPDRLAKQEELERDLAQRSEERRKWFEAT  
 DSRTPEVPAGEGPRRGLGAPLTEDQQNRLSEEIEKKWQELEKLPLRENKRVP L TALLNQSRGERRGPPSD  
 GHEALEKEVQALRAQLEAWRLQGEAPQSALRSQEDGHIPPGYISQLVG VITVPVLQTRPLSSERLCDLPK  
 VTTPAGLKGGI

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- <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:	<u>NP_619538</u>
RefSeq Size:	1743
RefSeq ORF:	1293
Synonyms:	DFNB28; dj37E16.4; HRIHFB2122; TAP68; TARA


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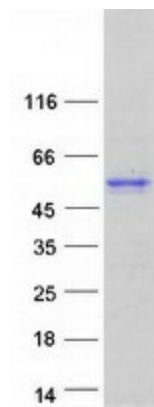
**Locus ID:** 11078

**UniProt ID:** [Q9H2D6](#)

**Cytogenetics:** 22q13.1

**Summary:** This gene encodes a protein with an N-terminal pleckstrin homology domain and a C-terminal coiled-coil region. The protein interacts with trio, which is involved with neural tissue development and controlling actin cytoskeleton organization, cell motility and cell growth. The protein also associates with F-actin and stabilizes F-actin structures. Mutations in this gene have been associated with a form of autosomal recessive nonsyndromic deafness. Multiple alternatively spliced transcript variants that would encode different isoforms have been found for this gene, however some transcripts may be subject to nonsense-mediated decay (NMD). [provided by RefSeq, Nov 2008]

### Product images:



Coomassie blue staining of purified TRIOBP protein (Cat# [TP324094]). The protein was produced from HEK293T cells transfected with TRIOBP cDNA clone (Cat# [RC224094]) using MegaTran 2.0 (Cat# [TT210002]).