

## Product datasheet for PH317508

### TAPA1 (CD81) (NM\_004356) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CD81 MS Standard C13 and N15-labeled recombinant protein (NP_004347)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217508
Predicted MW:	25.6 kDa
Protein Sequence:	>RC217508 representing NM_004356 Red=Cloning site Green=Tags(s)  MGVEGCTKCIKYLLFVFNFWLGGVILGVALWLRHDPQTNNLLYLELGDKPAPNTFYVGIYILIAVGA VMMFVGFGLGICYGAIQESQCLLGTTFTCLVILFACEVAAGIWGFVNKDQIAKDKVKFYDQALQQAVVDDDA NNAKAVVKTFHETLDCCGSSTLTALTTSVLKNNLCPSGSNIISNLFKEDCHQKIDDLFSGKLYLIGIAAI VVAVIMIFEMILSMVLCCGIRNSSVY  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_004347</a>
RefSeq Size:	1497
RefSeq ORF:	708
Synonyms:	CVID6; S5.7; TAPA1; TSPAN28
Locus ID:	975
UniProt ID:	<a href="#">P60033</a> , <a href="#">A0A024RCB7</a>



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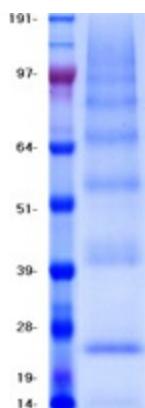
**Cytogenetics:** 11p15.5

**Summary:** The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. This protein appears to promote muscle cell fusion and support myotube maintenance. Also it may be involved in signal transduction. This gene is localized in the tumor-suppressor gene region and thus it is a candidate gene for malignancies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2014]

**Protein Families:** Druggable Genome, ES Cell Differentiation/IPS, Transmembrane

**Protein Pathways:** B cell receptor signaling pathway

### Product images:



Coomassie blue staining of purified CD81 protein (Cat# [TP317508]). The protein was produced from HEK293T cells transfected with CD81 cDNA clone (Cat# [RC217508]) using MegaTran 2.0 (Cat# [TT210002]).