

## Product datasheet for PH304208

### Dysbindin (DTNBP1) (NM\_032122) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	DTNBP1 MS Standard C13 and N15-labeled recombinant protein (NP_115498)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204208
Predicted MW:	39.5 kDa
Protein Sequence:	>RC204208 protein sequence Red=Cloning site Green=Tags(s)
	<p>MLETLRERLLSVQQDFTSGLKTLSDKSREAKVKSKPRTVPFLPKYSAGLELLSRYEDTWAALHRRAKDCA SAGELVDSEVVMLSAHWEKKKTSLVELQEQLQQLPALIADLESMTANLTHLEASFEEVENLLHLEDLCG QCCELERCKHMQSQQLENYKKNRKELETFKAELDAEHAQKVLEMEHTQQMKLKERQKFFEEAFQQDMEQY LSTGYLQIAERREPIGSMSSMEVNVDMLEQMDLMDISDQEALDVFNLNSGGEENTVLPALGPESSCQNE ITLQVNPSELRAKPPSSSSTCTDSATRDISEGGESPVVQSDEEEVQVDTALATSHTDREATPDGGEDSD S</p> <p>TRTRPLEQKLI SEEDLAANDILDYKDDDDKV</p>
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_115498</u>
RefSeq Size:	1429
RefSeq ORF:	1053
Synonyms:	BLOC1S8; DBND; HPS7; My031; SDY
Locus ID:	84062



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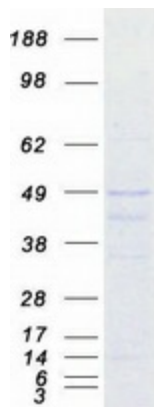
UniProt ID: [Q96EV8](#), [A0A0S2Z5U8](#)

Cytogenetics: 6p22.3

**Summary:** This gene encodes a protein that may play a role in organelle biogenesis associated with melanosomes, platelet dense granules, and lysosomes. A similar protein in mouse is a component of a protein complex termed biogenesis of lysosome-related organelles complex 1 (BLOC-1), and binds to alpha- and beta-dystrobrevins, which are components of the dystrophin-associated protein complex (DPC). Mutations in this gene are associated with Hermansky-Pudlak syndrome type 7. This gene may also be associated with schizophrenia. Multiple transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified DTNBP1 protein (Cat# [TP304208]). The protein was produced from HEK293T cells transfected with DTNBP1 cDNA clone (Cat# [RC204208]) using MegaTran 2.0 (Cat# [TT210002]).