

## Product datasheet for PH307304

### HBLD1 (ISCA2) (NM\_194279) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ISCA2 MS Standard C13 and N15-labeled recombinant protein (NP_919255)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207304
Predicted MW:	16.4 kDa
Protein Sequence:	>RC207304 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MAAAWGSSSLTAATQRAVTPWPRGRLLTASLGPQARREASSSSPEAGEGQICLTDSCVQRLLEITEGSEFL RLQVEGGGCSGFQYKFSLDTVINPDDRVEQGGARVVVDSDSLAFVKGAQVDFSQELIRSSFQVLNNPQA QQGCSCGSSFSIKL  <b>TR</b> TRPLE <b>QKL</b> ISEEDLAANDILDYKDDDDKV
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_919255</a>
RefSeq Size:	1088
RefSeq ORF:	462
Synonyms:	c14_5557; HBLD1; ISA2; MMDS4
Locus ID:	122961
UniProt ID:	<a href="#">Q86U28</a>

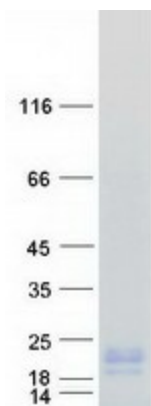


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Cytogenetics: 14q24.3

**Summary:** The protein encoded by this gene is an A-type iron-sulfur cluster (ISC) protein found in mitochondria. The encoded protein appears to be involved in the maturation of mitochondrial iron-sulfur proteins. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012]

### Product images:



Coomassie blue staining of purified ISCA2 protein (Cat# [TP307304]). The protein was produced from HEK293T cells transfected with ISCA2 cDNA clone (Cat# [RC207304]) using MegaTran 2.0 (Cat# [TT210002]).