

## Product datasheet for PH321922

### Muted (BLOC1S5) (NM\_201280) Human Mass Spec Standard

#### Product data:

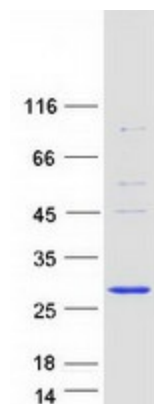
Product Type:	Mass Spec Standards
Description:	MUTED MS Standard C13 and N15-labeled recombinant protein (NP_958437)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221922
Predicted MW:	21.6 kDa
Protein Sequence:	>RC221922 protein sequence Red=Cloning site Green=Tags(s)  MSGGGTETPVGCEAAPGGGSKRDSLGTAGSAHLIIKDLGEIHSRLLDHRPVIQGETRYFVKEFEEKRGL REMRVLENLKNMIHETNEHTLPKCRDTMRDSLQVLQRLQAANDSVCLQQREQERKKIHSDDLVASEQ HMLQWDFMKEQPNKRAEVDEEHRKAMERLKEQYAEMEKDLAKFSTF  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:	<u>NP_958437</u>
RefSeq Size:	2695
RefSeq ORF:	561
Synonyms:	BLOS5; HPS11; MU; MUTED
Locus ID:	63915
UniProt ID:	<u>Q8TDH9</u>


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**Cytogenetics:** 6p24.3

**Summary:** This gene encodes a component of BLOC-1 (biogenesis of lysosome-related organelles complex 1). Components of this complex are involved in the biogenesis of organelles such as melanosomes and platelet-dense granules. A mouse model for Hermansky-Pudlak Syndrome is mutated in the murine version of this gene. Alternative splicing results in multiple transcript variants. Read-through transcription exists between this gene and the upstream EEF1E1 (eukaryotic translation elongation factor 1 epsilon 1) gene, as well as with the downstream TXNDC5 (thioredoxin domain containing 5) gene. [provided by RefSeq, Dec 2010]

## Product images:



Coomassie blue staining of purified BLOC1S5 protein (Cat# [TP321922]). The protein was produced from HEK293T cells transfected with BLOC1S5 cDNA clone (Cat# [RC221922]) using MegaTran 2.0 (Cat# [TT210002]).