

Product datasheet for PH309532

BOLA1 (NM_016074) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BOLA1 MS Standard C13 and N15-labeled recombinant protein (NP_057158)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209532
Predicted MW:	14.1 kDa
Protein Sequence:	>RC209532 representing NM_016074 Red =Cloning site Green =Tags(s) MLSGRLVLGLVSMAGRVCLCQGSAGSGAIGPVEAAIRTKLEEAL SPEVLELRNESGGHAVPPGSETHFRV AVVSSRFEGLSPLQRHRLVHAALAEELGGPVHALAIQARTPAQWRENSQLDTSPPCLGGNKKTLGTP 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:	NP_057158
RefSeq Size:	812
RefSeq ORF:	411
Synonyms:	CGI-143
Locus ID:	51027
UniProt ID:	Q9Y3E2
Cytogenetics:	1q21.2

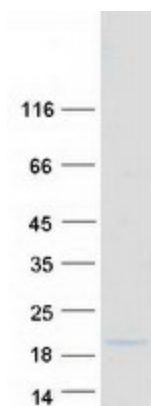


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Summary: Acts as a mitochondrial iron-sulfur (Fe-S) cluster assembly factor that facilitates (Fe-S) cluster insertion into a subset of mitochondrial proteins (By similarity). Probably acts together with the monothiol glutaredoxin GLRX5 (PubMed:27532772). May protect cells against oxidative stress (PubMed:22746225).[UniProtKB/Swiss-Prot Function]

Protein Families: Transcription Factors

Product images:



Coomassie blue staining of purified BOLA1 protein (Cat# [TP309532]). The protein was produced from HEK293T cells transfected with BOLA1 cDNA clone (Cat# [RC209532]) using MegaTran 2.0 (Cat# [TT210002]).