

## Product datasheet for PH323790

### BCMO1 (BCO1) (NM\_017429) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BCMO1 MS Standard C13 and N15-labeled recombinant protein (NP_059125)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223790
Predicted MW:	62.6 kDa
Protein Sequence:	>RC223790 protein sequence Red=Cloning site Green=Tags(s)

MDIIFGRNRKEQLEPVRKVTGKIPAWLQGTLLRNGPGMHTVGESRYNHWF DGLALLHSFTIRDGEVYYR  
SKYLRSDTYNTNIEANRIVVSEFGTMAYDPCKNIFSKAFSYLSHTIPDFTDNCLINIMKCGEDFYATSE  
TNYIRKINPQTLETLEKVDYRKYVAVNLATSHPHYDEAGNVLNMGTSIVEKGTKYVIFKIPATVPEGK  
Q GKSPWKHTEVFC SIPS RLLSPSYH SFGVTENYVIFLEQPFRLDILKMATAYIRSMSWASCLAFHREE  
KTYIHIIDQRTRQPVQTKFYTDAMVVFHHVNAYEEDGCI VFDVIA YEDNSLYQLFYLANLNQDFKENSRL  
TSVPTLRRFAVPLHVDKNAEVTNLIKVASTTATALKEEDGQVYCQPEFLYEGLELPRVNYAHNGKQYRY  
VFATGVQWSP IPTKI IKYDILTKSSLKWREDDCWPAEPLFVPAPGAKDEDDGVILSAIVSTDPQKLPFLL  
ILDAKSFTE LARASVDVDMHMDLHGLFITDMDWDTKKQAASEEQDRASDCHGAPLT

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:	<u><a href="#">NP_059125</a></u>
RefSeq Size:	2446
RefSeq ORF:	1641



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**Synonyms:** BCDO; BCDO1; BCMO; BCMO1; BCO

**Locus ID:** 53630

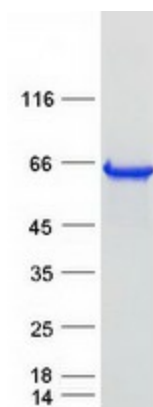
**UniProt ID:** [Q9HAY6](#)

**Cytogenetics:** 16q23.2

**Summary:** Vitamin A metabolism is important for vital processes such as vision, embryonic development, cell differentiation, and membrane and skin protection. The protein encoded by this gene is a key enzyme in beta-carotene metabolism to vitamin A. It catalyzes the oxidative cleavage of beta,beta-carotene into two retinal molecules. [provided by RefSeq, Jul 2008]

**Protein Pathways:** Metabolic pathways, Retinol metabolism

### Product images:



Coomassie blue staining of purified BCO1 protein (Cat# [TP323790]). The protein was produced from HEK293T cells transfected with BCO1 cDNA clone (Cat# [RC223790]) using MegaTran 2.0 (Cat# [TT210002]).