

## Product datasheet for TP323790L

### BCMO1 (BCO1) (NM\_017429) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human beta-carotene 15,15'-monooxygenase 1 (BCMO1), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223790 protein sequence Red=Cloning site Green=Tags(s)

MDIIFGRNRKEQLEPVRAKVTGKIPAWLQGTLLRNGPGMHTVGESRYNHWFDFGLALLHSFTIRDGEVYYR  
SKYLRSPTYNTNIEANRIVVSEFGTMAYPDPCKNIFSKAFSYLSHTIPDFTDNCLINIMKCGEDFYATSE  
TNYIRKINPQTLETLEKVDYRKYVAVNLATSHPHYDEAGNVLNMGTSIVEK GKTKYVIFKIPATVPEGKK  
QGKSPWKHTEVFCSIPSRLLSPSYHSGVTENYVIFLEQPFRLDILKMATAYIRSMSWASCLAFHREE  
KTYIHIDQRTRQPVQTKFYTDAMVVFHVNAYEEDGCIVFDVIAYEDNSLYQLFYLANLNQDFKENSRL  
TSVPTLRRFAVPLHVDKNAEVGTNLIKVASTTATALKEEDGQVYCQPEFLYEGLELPRVNYAHNGKQYRY  
VFATGVQWSPIPTKIIKYDILTKSSLKWREDDCWPAEPLFVPAPGAKDEDDGVLISAIVSTDPQKLPFL  
ILDAKSFTELARASVDVDMHMDLHGLFITMDWDTKKQAASEEQDRASDCHGAPLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	62.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_059125](#)

Locus ID: 53630

UniProt ID: [Q9HAY6](#)

RefSeq Size: 2446

Cytogenetics: 16q23.2

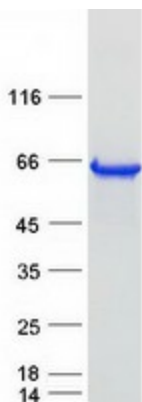
RefSeq ORF: 1641

Synonyms: BCDO; BCDO1; BCMO; BCMO1; BCO

**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 BCMO1 protein (Cat# [TP323790]). The protein was produced from HEK293T cells transfected with BCMO1 cDNA clone (Cat# [RC223790]) using MegaTran 2.0 (Cat# [TT210002]).