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Product datasheet for TP323790

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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC223790 protein sequence Red=Cloning site Green=Tags(s) MDIIFGRNRKEQLEPVRAKVTGKIPAWLQGTLLRNGPGMHTVGESRYNHWFDGLALLHSFTIRDGEVYYR SKYLRSDTYNTNIEANRIVVSEFGTMAYPDPCKNIFSKAFSYLSHTIPDFTDNCLINIMKCGEDFYATSE TNYIRKINPQTLETLEKVDYRKYVAVNLATSHPHYDEAGNVLNMGTSIVEKGKTKYVIFKIPATVPEGKK QGKSPWKHTEVFCSIPSRSLLSPSYYHSFGVTENYVIFLEQPFRLDILKMATAYIRSMSWASCLAFHREE KTYIHIIDQRTRQPVQTKFYTDAMVVFHHVNAYEEDGCIVFDVIAYEDNSLYQLFYLANLNQDFKENSRL TSVPTLRRFAVPLHVDKNAEVGTNLIKVASTTATALKEEDGQVYCQPEFLYEGLELPRVNYAHNGKQYRY VFATGVQWSPIPTKIIKYDILTKSSLKWREDDCWPAEPLFVPAPGAKDEDDGVILSAIVSTDPQKLPFLL ILDAKSFTELARASVDVDMHMDLHGLFITDMDWDTKKQAASEEQRDRASDCHGAPLT 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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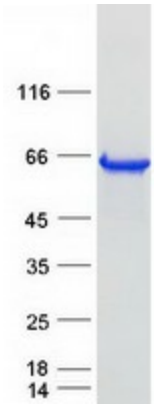
RefSeq:	NP_059125
Locus ID:	53630
UniProt ID:	Q9HAY6
RefSeq Size:	2446
Cytogenetics:	16q23.2
RefSeq ORF:	1641
Synonyms:	BCDO; BCDO1; BCMO; BCMO1; BCO
Summary:	Vitamin A metabolism is important for vital processes such as vision, embryonic development, cell differentiation, and membrane and skin protection. 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 BCO1 protein (Cat# TP323790). The protein was produced from HEK293T cells transfected with BCO1 cDNA clone (Cat# [RC223790]) using MegaTran 2.0 (Cat# [TT210002]).