

Product datasheet for TP527449

Bco1 (NM_001163028) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse beta-carotene oxygenase 1 (Bco1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227449 representing NM_001163028 Red =Cloning site Green =Tags(s)

MEIIFGQNKKEQLEPVQAKVTGSIPAWLQGTLLRNGPGMHTVGESKYNHWFDGLALLHSFSIRDGEVFYR
SKYLQSDTYIANIEANRIVVSEFGTMAYDPDCKNIFSKAFSYLSHTIPDFTDNCLINIMKCGEDFYATTE
TNYIRKIDPQTLETLEKVDYRKVAVNLATSHPHYDEAGNVLMGTSVWDKGRTKYVIFKIPATVPDSKK
KGKSPVKHAEVFCSSRSLSPSYHSFGVTENYVVFLEQPFKLDILKMATAYMRGVSWASCMSFDRED
KTYIHIIIDQRTRKPVPTKFYTDPMVVFHHVNAYEEDGCVLFDVIAYEDSSLYQLFYLANLNKDFEEKSRL
TSVPTLRRFAVPLHVDKDAEVGSNLVKVSSTATALKEKDGHVYCQPEVLYEGLELPRINYAYNGKPYRY
IFAAEVQWSPVPTKILKYDILT KSSLKWSEESCWPAEPLFVPTPGAKDEDDVPCRPSRDCGVQGPHRKS
CQLSIACVPEISAFGRQTEDNQGSTVILRYTENLNY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	60.3 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001156500



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Locus ID:	63857
UniProt ID:	E9Q321
RefSeq Size:	2532
Cytogenetics:	8 E1
RefSeq ORF:	1578
Synonyms:	Bcd; Bcdo; Bcdo1; Bcmo; Bcmo1; beta-C; beta-CD; betaCM; betaCMOOX; Cm; CMO1; Cmoi
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. Two alternatively spliced variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2009]