

Recombinant Full Length Human BCMO1 Protein, GST-tagged

Cat. No. BCMO1-1554HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BCMO1 full-length ORF (ADR83052.1, 1 a.a. - 547 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	547 amino acids
Description	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]
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	60.2 kDa
AA Sequence	MDIIFGRNRK EQLEPVRAKV TGKIPAWLQG TLLRNGPGMH TVGESRYNHW FDGLALLHSF TIRDGEVYYR SKYLRSPTYN TNIEANRIVV SEFGTMAYPD PCKNIFSKAF SYLSHTIPDF TDNCLINIMK CGEDFYATSE TNYIRKINPQ TLETLEKVDY RKYVAVNLAT SHPHYDEAGN VLNMGTSIVE KGKTKYVIFK IPATVPEGKK QGKSPWKHTE VFCSIPSRSL LSPSYHSFG VTENYVIFLE QPFRDLILKM ATAYIRSMSW ASCLAFHREE KTYIHIDQR TRQPVQTKFY

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TDAMVVFHHV NAYEEDGCIV FDVIAYEDNS LYQLFYLANL NQDFKENSRL
 TSVPTLRRFA VPLHVDKNAE VGTNLIKVAS TTATALKEED GQVYCQPEFL
 YEGLELPRVN YAHNGKQYRY VFATGVQWSP IPTKIIKYDI LTKSSLKWRE
 DDCWPAEPLF VPAPGAKDED DGVILSAIVS TDPQKLPFLL ILDAKSFTEL
 ARASVDVDMH MDLHGLFITD MDWDTKKQAA SEEQRDRASD CHGAPLT

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [BCMO1 beta-carotene 15,15-monooxygenase 1 \[Homo sapiens \]](#)

Official Symbol [BCMO1](#)

Synonyms BCMO1; beta-carotene 15,15-monooxygenase 1; BCDO, BCDO1, beta carotene 15, 15 dioxygenase 1; beta,beta-carotene 15,15-monooxygenase; BCMO; FLJ10730; beta-carotene dioxygenase 1; beta-carotene 15, 15-dioxygenase 1; BCO; BCDO; BCO1; BCDO1

Gene ID [53630](#)

mRNA Refseq [NM_017429](#)

Protein Refseq [NP_059125](#)

MIM [605748](#)

UniProt ID [Q9HAY6](#)

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