

Recombinant Full Length Human BCO2 Protein, GST-tagged

Cat. No. BCO2-1556HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BCO2 full-length ORF (BAB55379.1, 1 a.a. - 539 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	539 amino acids
Description	BCDO2 catalyzes the asymmetric oxidative cleavage of beta-carotene in carotene metabolism (Kiefer et al., 2001 [PubMed 11278918]).[supplied by OMIM
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	87.2 kDa
AA Sequence	MGNTPPQKKAV FGQCRGLPCV APLTTVEEA PRGISARVWG HFPKWLNGSL LRIGPGKFEF GKDKYNHWFD GMALLHQFRM AKGTVTYRSK FLQSDTYKAN SAKNRIVISE FGTLALPDPC KNVFERFMSR FELPGKAAAM TDNTNVNYVR YKGDYYLCTE TNFMNKVDIE TLEKTEKVDW SKFIAVNGAT AHPHYDPDGT AYNMGNSFGP YGFSYKVIRV PPEKVDLGET IHGVQVICS ASTEKGKPSY YHSFGMTRNY IIFIEQPLKM NLWKIATSKI RGKAFSDGIS WEPQCNTRFH VVEKRTGQLL PGRYYSKPFV TFHQINAFED QGCVIIDLCC QDNGRTLEVY QLQNLRKAGE GLDQVHNSAA KSFPRRFVLP LNVSLNAPEG DNLSPLSYTS ASAVKQADGT IWCSHENLHQ EDLEKEGGIE FPQIYYDRFS GKKYHFFYGC

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GFRHLVGDSL IKVDVWRED GFYPSEPVFV PAPGTNEEDG GVILSVVITP
NQNESNFLLV LDAKNFEELG RAEVPVQMPY GFHGTFIPI

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 BCO2 beta-carotene oxygenase 2 [Homo sapiens]

Official Symbol BCO2

Synonyms

BCO2; beta-carotene oxygenase 2; BCDO2, beta carotene dioxygenase 2; beta,beta-carotene 9,10-oxygenase; B DIOX II; beta carotene 9; 10 oxygenase; FLJ34464; beta-carotene dioxygenase 2; beta-carotene 9,10 oxygenase; b,b-carotene-9,10-dioxygenase; beta,beta-carotene 9,10-dioxygenase variant 1; BCDO2; B-DIOX-II

Gene ID 83875

mRNA Refseq NM_001037290

Protein Refseq NP_001032367

MIM 611740

UniProt ID Q9BYV7

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