

Recombinant Full Length Human BCO2 Protein, GST-tagged

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

SPECIFICATION

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|-------------------------|--|
| 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 | <p>MGNTPQKKAV FGQCRGLPCV APLTTVEEA PRGISARVWG HFPKWLNGSL LRIGPGKFEF GKDKYNHWFD GMALLHQFRM AKGTVTYRSK FLQSDTYKAN SAKNRIVISE FGTLALPDPC KNVFERFMSR FELPGKAAAM TDNTNVNYVR YKGDYYLCTE TNFMNKVDIE TLEKTEKVDW SKFIAVNGAT AHPHYDPDGT AYNMGNSFGP YGFSYKVIRV PPEKVDLGET IHGVQVICSI ASTEKGKPSY YHSFGMTRNY IIFIEQPLKM NLWKIATSKI RGKAFSDGIS WEPQCNTRFH VVEKRTGQLL PGRYYSKPFV TFHQINAFED QGCVIIDLCC QDNGRTLEVY QLQNLRKAGE GLDQVHNSAA KSFPRRFVLP LNVSLNAPEG DNLSPLSYTS ASAVKQADGT IWCSHENLHQ EDLEKEGGIE FPQIYYDRFS GKKYHFFYGC</p> |

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GFRHLVGDSL IKVDVWVRED GFYPSEPVFV PAPGTNEEDG GVILSVVITP
 NQNESNLLV 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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