

Full-Length

BCO2 (Human) Recombinant Protein (P01)

Catalog # H00083875-P01

Size 50 ug

Specification

Product Description	Human BCO2 full-length ORF (BAB55379.1, 1 a.a. - 539 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MGNTPQKKAVFGQCRGLPCVAPLLTTVEEAPRGISARVWGHFPKWLNGLLRIGPGKFEFGKDK YNHWFDGMALLHQFRMAKGTVTYRSKFLQSDTYKANSANRIVISEFGTLALPDCKNVFERFMS RFELPGKAAAMTDNTNVNRYKGDYLLCTETNFMNKVDIETLEKTEKVDWSKFIAVNGATAHPH YDPDGTAYNMGNSFGPYGFSYKVRVPPEKVDLGETIHGVQVICSIASTEKGKPSYYHSFGMTRNYII FIEQPLKMNWLKIATSKIRGKAFSDGISWEPQCNTRFHVVEKRTGQLLPGRYYSKPFVTFHQINAFE DQGCVIDLCCQDNGRTLEVYQLQNLRKAGEGLDQVHNSAAKSFPRRFVLPLNVSLNAPEGDNL SPLSYTSASAVKQADGTWCSHENLHQEDLEKEGGIEFPQYYDRFSGKKYHFFYGCGFRHLVGD SLIKVDVVWREDGFYPSEPVFVPAPGTNEEDGGVILSVVITPNQNESNLLVLDANKFEELGRAE VPVQMPYGFHGTFIPI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	87.2
Interspecies Antigen Sequence	Mouse (80); Rat (79)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — BCO2

Entrez GeneID	83875
GeneBank Accession#	AK027801.1
Protein Accession#	BAB55379.1
Gene Name	BCO2
Gene Alias	B-DIOX-II, BCDO2, FLJ34464
Gene Description	beta-carotene oxygenase 2
Gene Ontology	Hyperlink
Gene Summary	BCDO2 catalyzes the asymmetric oxidative cleavage of beta-carotene in carotene metabolism (Kiefer et al., 2001 [PubMed 11278918]).[supplied by OMIM]
Other Designations	b,b-carotene-9',10'-dioxygenase beta,beta-carotene 9',10'-dioxygenase variant 1 beta-carotene 9',10' oxygenase beta-carotene dioxygenase 2

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