

Recombinant Human BCO1 protein, His-tagged

Cat. No. BCO1-10192H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human BCO1(Gly6~Pro206) fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly6~Pro206
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.
Form	pH7.4, 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	26.6kDa
Endotoxin	<1.0EU/g
Purity	> 90%
Applications	SDS-PAGE; WB; ELISA; IP.
Reconstitution	PBS

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GENE INFORMATION

Gene Name	BCO1 beta-carotene oxygenase 1 [Homo sapiens]
Official Symbol	BCO1
Synonyms	BCO; BCDO; BCMO; BCDO1; BCMO1; beta,beta-carotene 15,15'-monooxygenase; beta-carotene 15, 15'-dioxygenase 1; beta-carotene 15,15'-monooxygenase 1; beta-carotene dioxygenase 1
Gene ID	53630
mRNA Refseq	NM_017429
Protein Refseq	NP_059125
MIM	605748
UniProt ID	Q9HAY6
Chromosome Location	16q23.2
Pathway	Metabolic pathways, organism-specific biosystem; Metabolism of vitamins and cofactors, organism-specific biosystem; Vitamin A and carotenoid metabolism, organism-specific biosystem
Function	beta-carotene 15,15'-monooxygenase activity; metal ion binding

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