

Beta-Carotene-15,15'-Monooxygenase 1 Recombinant Protein | bCMO1 recombinant protein

Recombinant Beta-Carotene-15,15'-Monooxygenase 1 (bCMO1)

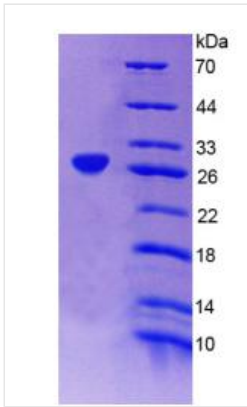
CATALOG # AAA145453	HOST E Coli	APPLICATIONS Immunoprecipitation, Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Beta-Carotene-15; 15'-Monooxygenase 1; Recombinant Beta-Carotene-15; 15'-Monooxygenase 1 (bCMO1); BCO1; BCDO; BCDO1; BCMO; Beta-carotene dioxygenase 1; Beta-carotene oxygenase 1; Beta; beta-carotene 15; 15'-monooxygenase; bCMO1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>99%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5%Trehalose and Proclin300.
Sequence	GRNRKEQLEP VRAKVTGKIP AWLQGTLLRN GPGMHTVGES RYNHWFDGLA LLHSFTIRDG EVYYRSKYLR SDTYNTNIEA NRIVVSEFGT MAYPDPCKNI FSKAFSYLSH TIPDFTDNCL INIMKCGEDF YATSETNYIR KINPQTLETL EKVDYRKYVA VNLATSHPHY DEAGNVLMNG TSIVEKGKTK YVIFKIPATV P
Sequence Length	547
Applicable Applications for bCMO1 recombinant protein	IP (Colmunoprecipitation), IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Source	Prokaryotic expression.
Residues	Gly6~Pro206
Tags	N-terminal His-Tag
Subcellular Location	Cytosol.
Traits	Freeze-dried powder
Predicted isoelectric point	8.9
Predicted Molecular Mass	26.6kDa
Accurate Molecular Mass	27kDa as determined by SDS-PAGE reducing conditions.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed.The loss rate is less than 5% within the expiration date under appropriate storage condition.



Sequence

GRNRK EQLEPVRAKV TGIKIPAWLQG TLLRNGPGMH TVGESRYNHW
FDGLALLHSF TIRDGEVYYR SKYLRSDTYN TNIEANRIVV SEFGTMAYPD
PCKNIFSKAF SYLSHTIPDF TDNCLINIMK CGEDFYATSE TNYIRKINPQ
TLETLEKVDY RKYVAVNLAT SHPHYDEAGN VLNMGTSIVE KGKTKYVIFK
IPATVP

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	74027270
NCBI GeneID	53630
NCBI Accession #	NP_059125.2
NCBI GenBank Nucleotide #	NM_017429.2
Molecular Weight	62,637 Da
NCBI Official Full Name	beta,beta-carotene 15,15'-dioxygenase
NCBI Official Synonym Full Names	beta-carotene oxygenase 1
NCBI Official Symbol	BCO1
NCBI Official Synonym Symbols	BCO; BCDO; BCMO; BCDO1; BCMO1
NCBI Protein Information	beta,beta-carotene 15,15'-dioxygenase
UniProt Protein Name	Beta,beta-carotene 15,15'-dioxygenase
UniProt Gene Name	BCO1
UniProt Entry Name	BCDO1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.