

# **Product datasheet for TP761949**

### BCMO1 (BCO1) (NM\_017429) Human Recombinant Protein

### **Product data:**

| Product Type:                            | Recombinant Proteins  |
|--|---|
| Description:                             | Purified recombinant protein of Human beta-carotene 15,15'-monooxygenase 1 (BCMO1),full<br>length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug |
| Species:                                 | Human   |
| Expression Host:                         | E. coli   |
| Expression cDNA Clone<br>or AA Sequence: | A DNA sequence encoding full-length of BCMO1  |
| Tag:                                     | N-GST and C-His   |
| Predicted MW:                            | 90.5 kDa  |
| Concentration:                           | >0.05 µg/µL as determined by microplate BCA method  |
| Purity:                                  | > 80% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                                  | 25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol  |
| Note:                                    | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.                      |
| Storage:                                 | Store at -80°C.   |
| Stability:                               | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                             |
| RefSeq:                                  | <u>NP 059125</u>  |
| Locus ID:                                | 53630   |
| UniProt ID:                              | <u>Q9HAY6</u>   |
| RefSeq Size:                             | 2446  |
| Cytogenetics:                            | 16q23.2   |
| RefSeq ORF:                              | 1641  |
| Synonyms:                                | BCDO; BCDO1; BCMO; BCMO1; BCO   |



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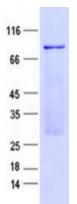
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### SCMO1 (BCO1) (NM\_017429) Human Recombinant Protein – TP761949

Summary:Vitamin A metabolism is important for vital processes such as vision, embryonic<br/>development, cell differentiation, and membrane and skin protection. The protein encoded<br/>by this gene is a key enzyme in beta-carotene metabolism to vitamin A. It catalyzes the<br/>oxidative cleavage of beta, beta-carotene into two retinal molecules. [provided by RefSeq, Jul<br/>2008]

Protein Pathways: Metabolic pathways, Retinol metabolism

## **Product images:**



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