

Product Data Sheet

Recombinant Human BCMO1 Protein

Catalog #	Source	Reactivity	Applications
CRP1110	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human BCMO1 Protein is produced by our mammalian expression system and the target gene encoding Met1-Thr547 is expressed with a 6His tag at the C-terminus.		
Form	Lyophilized from a 0.2 µM filtered solution of 50mM Tris-HCl, 10mM reduced Glutathione, pH 8.0.		
Gene Symbol	BCMO1		
Alternative Names	BCDO; BCDO1; Betabeta-carotene 1515'-monooxygenase; Beta-carotene dioxygenase 1		
Entrez Gene	53630 (Human)		
SwissProt	Q9HAY6 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	MDIIFGRNRK EQLEPVRAKV TGKIPAWLQG TLLRNGPGMH TVGESRYNHW FDGLALLHSF TIRDGEVYYR SKYLRSDTYN TNIEANRIVV SEFGTMAYPD PCKNIFSKAF SYLSHTIPDF TDNCLINIMK CGEDFYATSE TNYIRKINPQ TLETLEKVDY RKYVAVNLAT SHPHYDEAGN VLNMGTSIVE KGKTKYVIFK IPATVPEGKK QGKSPWKHTE VFCSIPSRSL LSPSYHHSFG VTENYVIFLE QPFRDLILKM ATAYIRMSW ASCLAFHREE KTYIHIDQR TRQPVQTKFY TDAMVVFHHV NAYEEDGCIV FDVIAYEDNS LYQLFYLANL NQDFKENSRL TSVPTLRRFA VPLHVDKNAE VGTNLIKVAS TTATALKEED GQVYCQPEFL YEGLELPRVN YAHNGKQYRY VFATGVQWSP IPTKIIKYDI LTKSSLKWRE DDCWPAEPLF VPAPGAKDED DGVILSAIVS TDPQKLPELL ILDAKSFTL ARASVDVDMH MDLHGLFITD MDWDTKKQAA SEEQRDRASD CHGAPLTVDH HHHHH		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage/Stability	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

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