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Datasheet for ABIN1644777

**BCM01 Protein (AA 1-566) (His tag)**

## Overview

Quantity:	1 mg
Target:	BCM01
Protein Characteristics:	AA 1-566
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This BCM01 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MEIIFGRNKK EQLEPLRATV TGSIPAWLQG TLLRNGPGMH TVGDSKYNHW FDGLALLHSF SIRDGEVFYR SKYLQSDTYN ANIEANRIVV SEFGTMAYPD PCKNIFSKAF SYLSHTIPDF TDNCLINIMK CGEDFYATTE TNYIRKIDPQ TLETLEKVDY RKYVAVNLAT SHPHYDEAGN VLNMGTSIAD KGGTKYVMFK IPATAPGSKK KGKNPLKHSE VFCSIPSRSL LSPSYHHSFG VTENYVVFLE QPFKLDILKM ATAYMRGVSW ASCMTFCKED KTYIHIDQK TRKPVPTKFY TDPMVVFHHV NAYEEDGCVL FDVIAYEDNS LYQLFYLANL NKDFEEKSRL TSVPTLRRFA VPLHVDKDAE VGSNLVKVSS TTATALKEKD DHVYCQPEVL YEGLELPRIN YAHNGKPYRY IFAAEVQWSP VPTKILKYDV LTKSSLKWSE ESCWPAEPLF VPTPGAKDED DGVILSAIIS TDPQKLPFLL ILDAKSFTL ARASVDVDMH LDLHGLFIPD AGWNAVKQTP AKTQEDENS HPTGLTAPGL GHGENDFTAG HGGKSL
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

## Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

Target: BCMO1

Alternative Name: Beta,beta-carotene 15,15-monooxygenase (Bcmo1) ([BCMO1 Products](#))

Background: Recommended name: Beta,beta-carotene 15,15'-monooxygenase.  
EC= 1.14.99.36.  
Alternative name(s): Beta-carotene dioxygenase 1

UniProt: [Q91XT5](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.