

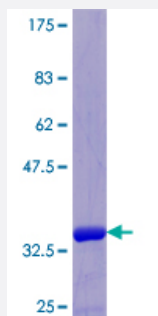
Full-Length

MOCS2 (Human) Recombinant Protein (P01)

Catalog # H00004338-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MOCS2 full-length ORF (NP_789776.1, 1 a.a. - 88 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MVPLCQVEVLVYFAKSAEITGVRSETISVPQEIKALQLWKEIETRHPGLADVNRQIIIFAVRQEYVELG DQLLVLPQPGDEIAVIPPISGG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.2
Interspecies Antigen Sequence	Mouse (25); Rat (25)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — MOCS2

Entrez GeneID [4338](#)

GeneBank Accession# [NM_176806.2](#)

Protein Accession# [NP_789776.1](#)

Gene Name MOCS2

Gene Alias MCBPE, MOCO1, MOCS2A, MOCS2B, MPTS

Gene Description molybdenum cofactor synthesis 2

Omim ID [252150 603708](#)

Gene Ontology [Hyperlink](#)

Gene Summary Eukaryotic molybdoenzymes use a unique molybdenum cofactor (MoCo) consisting of a pterin, termed molybdopterin, and the catalytically active metal molybdenum. MoCo is synthesized from precursor Z by the heterodimeric enzyme molybdopterin synthase. The large and small subunits of molybdopterin synthase are both encoded from this gene by overlapping open reading frames. The proteins were initially thought to be encoded from a bicistronic transcript. They are now thought to be encoded from monocistronic transcripts. Alternatively spliced transcripts have been found for this locus that encode the large and small subunits. [provided by RefSeq]

Other Designations MPT synthase|OTTHUMP00000122459|molybdenum cofactor biosynthesis protein E|molybdopterin synthase