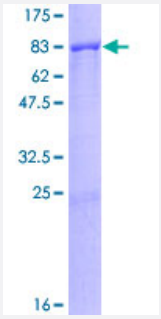
Full-Length

MCCC2 (Human) Recombinant Protein (P01)

Catalog # H00064087-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MCCC2 full-length ORF (NP_071415.1, 1 a.a. - 563 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MWAVLRLALRPCARASPAGPRAYHGDSVASLGTQPDLGSALYQENYKQMKALVNQLHERVEHIK LGGGEKARALHISRGKLLPRERIDNLIDPGSPFLELSQFAGYQLYDNEEVPGGGIITGIGRVSGVEC MIIANDATVKGGAYYPVTVKKQLRAQEIAMQNRLPCIYLVDSGGAYLPRQADVFPDRDHFGRTFYN QAIMSSKNIAQIAVVMGSCTAGGAYVPAMADENIIVRKQGTIFLAGPPLVKAATGEEVSAEDLGGA DLHCRKSGVSDHWALDDHHALHLTRKVVRNLNYQKKLDVTIEPSEEPLFPADELYGIVGANLKRS FDVREVIARIVDGSRFTEFKAFYGDTLVTGFARIFGYPVGIVGNNGVLFSESAKKGTHFVQLCCQR NIPLLFLQNITGFMVGREYEAEGIAKDGAKMVAAVACAQVPKITLIIGGSYGAGNYGMCGRAYSPRF LYIWPNARISVMGGEQAANVLATITKDQRAREGKQFSSADEAALKEPIIKKFEEEGNPYYSSARVW DDGIIDPADTRLVLGLSFSAALNAPIEKTDFGIFRM
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	87.7
Interspecies Antigen Sequence	Mouse (88); Rat (88)
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 — MCCC2

Entrez GeneID	64087
GeneBank Accession#	NM_022132.3
Protein Accession#	NP_071415.1
Gene Name	MCCC2
Gene Alias	MCCB
Gene Description	methylcrotonoyl-Coenzyme A carboxylase 2 (beta)
Omim ID	210210 609014
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the small subunit of 3-methylcrotonyl-CoA carboxylase. This enzyme functions as a heterodimer and catalyzes the carboxylation of 3-methylcrotonyl-CoA to form 3-methylglutaconyl-CoA. Mutations in this gene are associated with 3-Methylcrotonylglycinuria, an autosomal recessive disorder of leucine catabolism. [provided by RefSeq
Other Designations	biotin carboxylase|non-biotin containing subunit of 3-methylcrotonyl-CoA carboxylase

Pathway

- Metabolic pathways
- Valine

Disease

- Cerebral Hemorrhage
- Genetic Predisposition to Disease
- Hypertension
- Intracranial Hemorrhages
- Stroke
- Subarachnoid Hemorrhage