

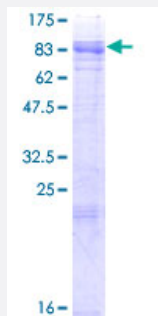
Full-Length

MCOLN1 (Human) Recombinant Protein (P01)

Catalog # H00057192-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human MCOLN1 full-length ORF (NP_065394.1, 1 a.a. - 580 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MTAPAGPRGSETERLLTPNPGYGTQAGPSPAPPTPPEEEDLRRRLKYFFMSPCDKFRAKGRKP
CKLMLQVVKILVVTVQLILFGLSNQLAVTFREENTIAFRHLFLLGYSDGADDTFAAYTREQLYQAIFH
AVDQYLALPDVSLGRYAYVRGGDPWTNGSGLALCQRYYHRGHVDPANDTFDIDPMVVTDCIQV
DPPERPPPPPSDDLTLLESSSSYKNLTLKFHKLNVNTHFRLKTINLQSLINNEIPDCYTFSVLITFDN
KAHSGRIPISLETQAHIQECHKPSVFQHGDNFRLLFDVVVILTCSLSFLLCARSLLRGFLQNEFV
GFMWRQGRVISLWERLEFVNGWYILLVTSVDLTISGTIMKIGIEAKNLASYDVCSILLGTSTLLVWV
GVIRYLTFHNYNIIATLRVALPSVMRFCCCVAIVLYGCFGWVLPYHVKFRSLSMVSECLFSLI
NGDDMFVTFAAMQAQQGRSSLVWLFSQLYLYSFISLFYMLVLSLFIALITGAYDTIKHPGGAGAEES
ELQAYIAQCQDSPTSGKFRRGSGSACSLCCCGRDPSEEHSLLVN

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

91.4

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 — MCOLN1

Entrez GeneID[57192](#)**GeneBank Accession#**[NM_020533.1](#)**Protein Accession#**[NP_065394.1](#)**Gene Name**

MCOLN1

Gene Alias

ML4, MLIV, MST080, MSTP080, TRP-ML1, TRPM-L1, TRPML1

Gene Description

mucolipin 1

Omim ID[252650 605248](#)**Gene Ontology**[Hyperlink](#)**Other Designations**

mucolipidin

Disease

- [Cystic fibrosis](#)
- [Gaucher disease](#)
- [Genetic Diseases](#)

- [Genetic Predisposition to Disease](#)
- [Mucopolidoses](#)