

Human ACO1 Recombinant Protein



RPPB5774

Product Information Protein Information

Product SKU:

RPPB5774

Accession:

P21399

Host:

Escherichia Coli.

Protein description:

ACO1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 912 amino acids (1-889a.a.) and having a molecular mass of 100.8kDa.ACO1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered clear solution.

Synonyms:

Onitase 1 Soluble, IRP1, IREB1, IREBP, Citrate hydro-lyase, Iron regulatory protein 1, Ferritin repressor protein, Iron-responsive element-binding protein 1, ACONS, Aconitate Hydratase, EC 4.2.1.3, Aconitase.

Formulation:

The ACO1 protein solution (0.5mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0)2mM DTT, 100mM NaCl and 10% glycerol.

Purity:

Greater than 90% as determined by SDS-PAGE.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.

Amino Acid Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMSPFAH LAEPLDPVQP GKKFFNLNKL EDSRYGRLPF SIRVLLEAAI
RNCDEFLVKK QDIENILHWN VTQHKNIIEVP FKPARVILQD FTGVPVVDF AAMRDAVKKL GGDPEKINPV
CPADLVIDHS IQVDFNRRAD SLQKNQDLEF ERNRERFEFL KWGSQAFHNM RIIPPGSGII HQVNLEYLAR
VVFDDQGYYY PDSLVGTDSH TTMIDGLGIL GWGVGGIEAE AVMLGQPISM VLPQVIGYRL MGKPHPLVTS
TDIVLTITKH LRQGVVVGKF VEFFGPGVAQ LSIADRATIA NMCPEYGATA AFFPVDEVS I TYLVQTGRDE
EKLKYIKKYL QAVGMFRDFN DPSQDPDFTQ VVELDLKTVV PCCSGPKRPQ DKVAVSDMKK DFESCLGAKQ
GFGKFQVAPE HHNDHKTFIY DNTEFTLAHG SVVIAAITSC TNSNPSVML GAGLLAKKAV DAGLNVMPYI
KTSLSPGSGV VTYYLQESGV MPYLSQLGFD VVGYGCMTCI GNSGPLPEPV VEAITQGD LV AVGVLSGNRN
FEGRVHPNTR ANYLASPLV IAYAIAGTIR IDFEKEPLGV NAKGQQVFLK DIWPTRDEIQ AVERQYVIG
MFKEVYQKIE TVNESWNALA TPSDKLFFWN SKSTYIKSPP FFENLTLDLQ PPKSIVDAYV LLNLGDSVTT
DHISPAGNIA RNSPAARYLT NRGLTPREFN SYGSRRGNDA VMARGTFANI RLLNRFNLKQ APQTIHLPSG
EILDVFDAAE RYQQAGLPLI VLAGKEYGAG SSRDWAAGKP FLLGIKAVLA ESYERIHRSN LVGMGVIPLE
YLPGENADAL GLTGQERYTI IIPENLKPQM KVQVKLDTGK TFQAVMRFD T DVELTYFLNG GILNYMIRKM AK