

Induced myeloid leukemia cell differentiation protein Mcl-1 homolog Recombinant Protein | Mcl1 recombinant protein

Recombinant Mouse Induced myeloid leukemia cell differentiation protein Mcl-1 homolog

CATALOG # AAA113451	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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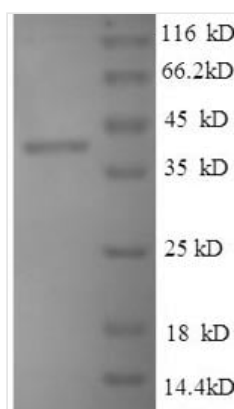
PRODUCT SYNONYMS

Induced myeloid leukemia cell differentiation protein Mcl-1 homolog; Recombinant Mouse Induced myeloid leukemia cell differentiation protein Mcl-1 homolog; Bcl-2-related protein EAT/mcl1; Mcl1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-308aa; partial
Sequence	MFGLRRNAVI GLNLYCGGAS LGAGGGSPAG ARLVAEEAKA RREGGGGEAAL LPGARVVARP PPVGAEDPDV TASAERRLHK SPGLLAVPPE EMAASAAAAI VSPEEELDGC EPEAIGKRPA VLPLLERVSE AAKSSGADGS LPSTPPPPEE EEDDLRQSL EISRYLREQ ATGSKDSKPL GEAGAAGRRA LETLRRVGDG VQRNHETAFQ GMLRKLDIKN EGDVKSFSRV MVHVF KDGVN NWGRIVTLIS FGAFVAKHLK SVNQESFIEP LAETITDVLV RTKRDWLKQ RWDGDFVEFF HVQDLEGG
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Mcl1 recombinant protein	Involved in the regulation of apoptosis versus cell survival, and in the maintenance of viability but not of proliferation. Mediates its effects by interactions with a number of other regulators of apoptosis. Isoform 2 has antiapoptotic activity.
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References	Up-regulated expression of murine Mcl1/EAT, a bcl-2 related gene, in the early stage of differentiation of murine embryonal carcinoma cells and embryonic stem cells.Okita H., Umezawa A., Suzuki A., Hata J.Biochim. Biophys. Acta 1398:335-341(1998) MCL-1V, a novel mouse antiapoptotic MCL-1 variant, generated by RNA splicing at a non-canonical splicing pair.Kojima S., Hyakutake A., Koshikawa N., Nakagawara A., Takenaga K.Biochem. Biophys. Res. Commun. 391:492-497(2010) Lineage-specific biology revealed by a finished genome assembly of the mouse.Church D.M., Goodstadt L., Hillier L.W., Zody M.C., Goldstein S., She X., Bult C.J., Agarwala R., Cherry J.L., DiCuccio M., Hlavina W., Kapustin Y., Meric P., Maglott D., Birtle Z., Marques A.C., Graves T., Zhou S., Teague B., Potamouis K., Churas C., Place M., Herschleb J., Runnheim R., Forrest D., Amos-Landgraf J., Schwartz D.C., Cheng Z., Lindblad-Toh K., Eichler E.E., Ponting C.P.PLoS Biol. 7:E1000112-E1000112(2009) Mcl-1 is an immediate-early gene activated by the granulocyte-macrophage colony-stimulating factor (GM-CSF) signaling pathway and is one component of the GM-CSF viability response.Chao J.-R., Wang J.-M., Lee S.-F., Peng H.-W., Lin Y.-H., Chou C.-H., Li J.-C., Huang H.-M., Chou C.-K., Kuo M.-L., Yen J.J.-Y., Yang-Yen H.-F.Mol. Cell. Biol. 18:4883-4898(1998) Glycogen synthase kinase-3 regulates mitochondrial outer membrane permeabilization and apoptosis by destabilization of MCL-1.Maurer U., Charvet C., Wagman A.S., Dejardin E., Green D.R.Mol. Cell 21:749-760(2006) Pro-apoptotic activity of inhibitory PAS domain protein (IPAS) , a negative regulator of HIF-1, through binding to pro-survival Bcl-2 family proteins.Torii S., Goto Y., Ishizawa T., Hoshi H., Goryo K., Yasumoto K., Fukumura H., Sogawa K.Cell Death Differ. 18:1711-1725(2011) Solution structure of prosurvival Mcl-1 and characterization of its binding by proapoptotic BH3-only ligands.Day C.L., Chen L., Richardson S.J., Harrison P.J., Huang D.C.S., Hinds M.G.J. Biol. Chem. 280:4738-4744(2005) Structure of the BH3 domains from the p53-inducible BH3-only proteins Noxa and Puma in complex with Mcl-1.Day C.L., Smits C., Fan F.C., Lee E.F., Fairlie W.D., Hinds M.G.J. Mol. Biol. 380:958-971(2008)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678824
NCBI GeneID	17210
NCBI Accession #	NP_032588.1
NCBI GenBank Nucleotide #	NM_008562.3
UniProt Accession #	P97287; Q3TUS0; Q792P0; Q9CRI4; D2K6L9
Molecular Weight	48.9 kDa
NCBI Official Full Name	induced myeloid leukemia cell differentiation protein Mcl-1 homolog
NCBI Official Synonym Full Names	myeloid cell leukemia sequence 1
NCBI Official Symbol	Mcl1
NCBI Official Synonym Symbols	Mcl-1; AW556805
NCBI Protein Information	induced myeloid leukemia cell differentiation protein Mcl-1 homolog
UniProt Protein Name	Induced myeloid leukemia cell differentiation protein Mcl-1 homolog
UniProt Gene Name	Mcl1
UniProt Entry Name	MCL1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/mcl1-recombinant-protein-e-coli/113451>