

Metallothionein-1A Recombinant Protein | MT1A recombinant protein

Recombinant Human Metallothionein-1A protein

CATALOG # AAA116163	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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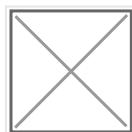
PRODUCT SYNONYMS

Metallothionein-1A; Recombinant Human Metallothionein-1A protein; Metallothionein-IA; MT-IA; MT1A 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	1-59aa; partial
Sequence	MDPNCSCATG GSCTCTGSCK CKECKCTSCK KSCCSCCPMS CAKCAQGCIC KGASEKCSC
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 MT1A recombinant protein	Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids.
Product Categories/Family for MT1A recombinant protein	Epigenetics and Nuclear Signaling
References	Structural and functional analysis of the human metallothionein-IA gene differential induction by metal ions and glucocorticoids.Richards R.I., Heguy A., Karin M.Cell 37:263-272(1984) Cloning of a novel member of the MT gene family - MT1S.Wang J., Zheng L., Yu L.The sequence and analysis of duplication-rich human chromosome 16.Martin J., Han C., Gordon L.A., Terry A., Prabhakar S., She X., Xie G., Hellsten U., Chan Y.M., Altherr M., Couronne O., Aerts A., Bajorek E., Black S., Blumer H., Branscomb E., Brown N.C., Bruno W.J., Buckingham J.M., Callen D.F., Campbell C.S., Campbell M.L., Campbell E.W., Caoile C., Challacombe J.F., Chasteen L.A., Chertkov O., Chi H.C., Christensen M., Clark L.M., Cohn J.D., Denys M., Detter J.C., Dickson M., Dimitrijevic-Bussod M., Escobar J., Fawcett J.J., Flowers D., Fotopulos D., Glavina T., Gomez M., Gonzales E., Goodstein D., Goodwin L.A., Grady D.L., Grigoriev I., Groza M., Hammon N., Hawkins T., Haydu L., Hildebrand C.E., Huang W., Israni S., Jett J., Jewett P.B., Kadner K., Kimball H., Kobayashi A., Krawczyk M.-C., Leyba T., Longmire J.L., Lopez F., Lou Y., Lowry S., Ludeman T., Manohar C.F., Mark G.A., McMurray K.L., Meincke L.J., Morgan J., Moyzis R.K., Mundt M.O., Munk A.C., Nandkeshwar R.D., Pitluck S., Pollard M., Predki P., Parson-Quintana B., Ramirez L., Rash S., Retterer J., Ricke D.O., Robinson D.L., Rodriguez A., Salamov A., Saunders E.H., Scott D., Shough T., Stallings R.L., Stalvey M., Sutherland R.D., Tapia R., Tesmer J.G., Thayer N., Thompson L.S., Tice H., Torney D.C., Tran-Gyamfi M., Tsai M., Ulanovsky L.E., Ustaszewska A., Vo N., White P.S., Williams A.L., Wills P.L., Wu J.-R., Wu K., Yang J., DeJong P., Bruce D., Doggett N.A., Deaven L., Schmutz J., Grimwood J., Richardson P., Rokhsar D.S., Eichler E.E., Gilna P., Lucas S.M., Myers R.M., Rubin E.M., Pennacchio L.A.Nature 432:988-994(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	71274113
NCBI GeneID	4489
NCBI Accession #	NP_005937.2
NCBI GenBank Nucleotide #	NM_005946.2
UniProt Accession #	P04731; Q86YX5
Molecular Weight	32.9 kDa
NCBI Official Full Name	metallothionein-1A
NCBI Official Synonym Full Names	metallothionein 1A
NCBI Official Symbol	MT1A
NCBI Official Synonym Symbols	MT1; MTC; MT1S
NCBI Protein Information	metallothionein-1A
UniProt Protein Name	Metallothionein-1A
UniProt Gene Name	MT1A
UniProt Synonym Gene Names	MT1S; MT-1A; MT-1A
UniProt Entry Name	MT1A_HUMAN

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://stage.aaabiotech.com/mt1a-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116163>