

MIA (Melanoma inhibitory activity) Active Protein | MIA active protein

Human MIA (Melanoma inhibitory activity)

CATALOG # AAA79186	HOST E Coli	REACTIVITY Human
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PRODUCT SYNONYMS

MIA (Melanoma inhibitory activity); Human MIA (Melanoma inhibitory activity); Recombinant Human MIA; MIA active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Reactivity	Human
Purity/Purification	> 98% by SDS-PAGE and HPLC analysis
Form/Format	Lyophilized; 15mM Sodium Phosphate, pH 7.2 + 75mM NaCl
Sequence	MGPMPKLADR KLCADQEC SH PISMAVALQD YMAPDCRFLT IHRGQVVYVF SKLKGRGR LF WGGSVQGDYY GDLAARLG YF PSSIVREDQT LKPGKVDVKT DKWDFYCQ
Sequence Length	131
Endotoxin Level	< 0.1 ng/ug of protein (<1EU/ug)
Reconstitution	Centrifuge vial prior to opening. Reconstitute in water to a concentration of 0.1-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.
Biological Activity	The ED50 was determined by the dose-dependant proliferation of the human A375 melanoma cell line. The expected ED50 for this effect is 4-6 ug/ml.
Length (aa)	108
Preparation and Storage	The lyophilized protein is stable at 4°C. Reconstituted working aliquots are stable at 2°C to 8°C.

ADDITIONAL INFORMATION

Related Product Information for MIA active protein	MIA is the first discovered member of a family of secreted cytokines termed the MIA/OTOR family. The four known members of this family; MIA, MIA2, OTOR and TANGO each contain a Src homology-3 (SH3)-like domain. MIA is an autocrine growth regulatory protein secreted from chondrocytes and malignant melanoma cells that promotes melanoma metastasis by binding competitively to fibronectin and laminin in a manner that results in melanoma cell detachment from the extracellular matrix in vivo. Elevated levels of MIA may represent a clinically useful marker for identification of melanoma metastasis as well as a potential marker for rheumatoid arthritis. Recombinant human MIA is a 12.2 kDa globular protein containing 108 amino acid residues including two intramolecular disulfide bonds..
Product Categories/Family for MIA active protein	Cytokines & Growth Factors

NCBI AND UNIPROT INFORMATION

NCBI GI #	321400133
NCBI GeneID	8190
NCBI Accession #	NP_001189482.1

NCBI GenBank Nucleotide #	NM_001202553.1
UniProt Accession #	Q16674 ; Q6FHV3
Molecular Weight	12.2 kDa
NCBI Official Full Name	melanoma-derived growth regulatory protein
NCBI Official Synonym Full Names	melanoma inhibitory activity
NCBI Official Symbol	MIA
NCBI Official Synonym Symbols	CD-RAP
NCBI Protein Information	melanoma-derived growth regulatory protein
UniProt Protein Name	Melanoma-derived growth regulatory protein
UniProt Gene Name	MIA
UniProt Entry Name	MIA_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/e-coli-human-active-protein/mia-melanoma-inhibitory-activity/79186>