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# Recombinant Human MIA Protein

**Catalog No.: RP00504** Recombinant

## Sequence Information

| Species | Gene ID | Swiss Prot |
|---|---|---|
| Human | 8190 | Q16674 |

**Tags**
C-6×His

**Synonyms**
Melanoma-Derived Growth Regulatory Protein; Melanoma Inhibitory Activity Protein; MIA

## Product Information

| Source | Purification |
|---|---|
| *E. coli* | > 95% by SDS-PAGE. |

**Endotoxin**
< 1 EU/μg of the protein by LAL method.

**Formulation**
Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.Contact us for customized product form or formulation.

**Reconstitution**
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

Melanoma Inhibitory Activity Protein (MIA) is an autocrine growth regulatory protein secreted fromchondrocytes and malignant melanoma cells, which was the first discovered member of a family of secretedcytokines termed the MIA/OTOR family. The four known members of this family: MIA, MIA2, OTOR and TANGOeach contain a Src homology-3 (SH3)-like domain. MIA acts as a potent tumor cell growth inhibitor formalignant melanoma cells and some other neuroectodermal tumors, including gliomas, in an autocrine fashionand promotes melanoma metastasis by binding competitively to fibronectin and laminin in a manner thatresults in melanoma cell detachment from the extracellular matrix in vivo. The protein MIA has been shown torepresent a very sensitive and specific serum marker for systemic malignant melanoma that might be useful forstaging of primary melanomas, detection of progression from localized to metastatic disease during follow-up,and monitoring therapy of advanced melanomas. Elevated levels of MIA may represent a clinically usefulmarker for diagnosis of melanoma metastasis as well as a potential marker for rheumatoid arthritis.

## Basic Information

**Description**
Recombinant Human MIA Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Gly25-Gln131) of human MIA (Accession #Q16674) fused with a 6×His tag at the C-terminus.

**Bio-Activity**

**Storage**
Store the lyophilized protein at -20°C to -80 °C for long term.
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.
Avoid repeated freeze/thaw cycles.

## Contact

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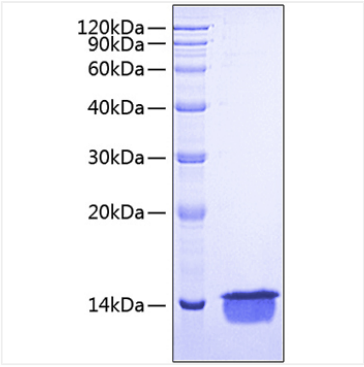
## Validation Data




Recombinant Human MIA Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.