

MIA, human recombinant protein

Melanoma-derived growth regulatory protein precursor, Cartilage-derived retinoic acid-sensitive prot
Catalog # PBV10465r

Specification

MIA, human recombinant protein - Product info

Primary Accession [Q16674](#)
Calculated MW **12.2 kDa** KDa

MIA, human recombinant protein - Additional Info

Gene ID **8190**
Gene Symbol **MIA**

Other Names

Melanoma-derived growth regulatory protein precursor, Cartilage-derived retinoic acid-sensitive protein, CD-RAP, MIA, Melanoma inhibitory activity protein

Gene Source **Human**
Source **E. coli**
Assay&Purity **SDS-PAGE; ≥98%**
Assay2&Purity2 **HPLC; ≥98%**
Recombinant **Yes**

Application Notes

Reconstitute in H₂O to a concentration of 0.1-1.0 mg/ml. The solution can then be diluted into other aqueous buffers

Format

Lyophilized protein

Storage

-20°C; Sterile filtered and lyophilized with no additives

MIA, human recombinant protein - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MIA, human recombinant protein - Images**MIA, human recombinant protein - Background**

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 diagnosis 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.

MIA, human recombinant protein - References

Blesch A., et al. Cancer Res. 54:5695-5701(1994).
Bosserhoff A.-K., et al. J. Biol. Chem. 271:490-495(1996).
Hau P., et al. J. Invest. Dermatol. 119:562-569(2002).
Kalnine N., et al. Submitted (MAY-2003) to the EMBL/GenBank/DDBJ databases.
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