

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 H_2O 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

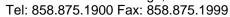
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- 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. Ebert L., et al. Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.