

## 32-20290: Recombinant Human MIA(Discontinued)

**Reactivity :** Human

**Alternative Name :** Melanoma Inhibitory Activity, Cartilage-derived retinoic acid-sensitive protein (CD-RAP)

### Description

#### Source:E.coli

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, MIA-2, 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.

### Product Info

**Amount :** 5 µg / 20 µg

**Purification :** Purity: >= 98% by SDS-PAGE gel and HPLC analyses.

**Content :** This recombinant protein is supplied in lyophilized form.

**Amino Acid :** MGPMPLADR KLCADQEC SH PISMAVALQD YMAPDCRFLT IHRGQVVYVF SKLKGRGRFLF  
WGGSVQGDYY GDLAARLGYF PSSIVREDQT LKPGKVDVKT DKWDFYCQ

### Application Note

The  $ED_{50}$  was determined by the dose-dependant proliferation of the human A375 melanoma cell line. The expected  $ED_{50}$  for this effect is 4-6 µg/ml.