

Recombinant Human MIA

Catalog No.	CRM417A CRM417B	Quantity:	5 µg 20 µg
Alternate Names:	Melanoma Inhibitory Activity, Cartilage-derived retinoic acid-sensitive protein (CD-RAP)		
Description:	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 <i>in vivo</i> . 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.		
Source:	<i>E. coli</i>		
Purity:	Greater than 98% by SDS-PAGE and HPLC analyses.		
Endotoxin Level:	Less than 0.1 ng per µg (1 EU/µg).		
Biological Activity:	The ED ₅₀ as 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.		
Storage & Stability:	The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20°C. Reconstituted MIA should be stored in working aliquots at -20°C.		
Country of Origin:	USA		

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