9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MIA Human, His

Melanoma Inhibitory Activity Protein Human Recombinant, His Tag
GRF0260

Product Overview

Name	MIA Human, His
Description	
Melanoma Inhibitory Activity Protein Human Recombinant, His Tag	
Accession (Primary)	Q16674
Synonyms	
Melanoma-derived growth regulatory protein precursor, Cartilage-derived retinoic acid-sensitive protein, CD-RAP, MIA.	
Introduction	
The Melanoma Inhibitory protein (MIA) was identified as an inhibitor of in vitro growth of malignant melanoma cells. The protein contains a SH3 domain. MIA acts as a potent tumor cell growth inhibitor for malignant melanoma cells and some other neuroectodermal tumors, including gliomas, in an autocrine fashion. In a study of human melanoma cell lines with different metastatic capacity MIA mRNA expression appeared to be inversely correlated with pigmentation. MIA has been shown to represent a very sensitive and specific serum marker for systemic malignant melanoma that might be useful for staging of primary melanomas, detection of progression from localized to metastatic disease during follow-up, and monitoring therapy of advanced melanomas.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The MIA solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH M GPMPKLADR KLCADQECSH PISMAVALQD YMAPDCRFLT IHRGQVVYVF SKLKGRGRLF WGGSVQGDYY GDLAARLGYF PSSIVREDQT LKPGKVDVKT DKWDFYCQ	

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Precautions

MIA Human, His is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q16674)