ANGIO-PROTEOMIE
HIGH QUALITY REAGENTS FOR LIFE SCIENCES

DATA SHEET

Melanoma Inhibitory Activity Human Recombinant

Item Number	rAP-2372
Synonyms	Melanoma-derived growth regulatory protein precursor, Cartilage-derived retinoic acid-sensitive protein, CD -RAP, MIA.
Description	Melanoma Inhibitory Activity Human Recombinant produced in E.Coli is a single, non-glycosylated, poly-peptide chain consisting of 108 amino having a total molecular mass of 12237 Dalton.The MIA is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q16674
Amino Acid Sequence	Agrees with the sequence of native MIA human with an addition N-terminal Methionine resi-due.MGPMPKLADRKLCADQECSSHPISMAVALQDYMAPDCRFLTIHRGQVVYVFSLKGRGRFLWGGSVQ GDYYGDLAARLGYFPSSIVREDQTLKVDVKTDKWDFYCQ.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized MIA although stable at room tempera-ture for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIA should be stored at 4° C between 2-7 days and for future use below -18°C.Please prevent freeze-thaw cycles.
Formulation and Purity	The protein was lyophilized from a concentrated (1mg/ml) solution containing 20mM Potassium-phosphate pH=7 and 150mM potassium chloride. Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Melanoma Inhibitory Activity in sterile 18MΩ-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	The biological activity is calculated by the inhibiting effect on the invasion of Mel In Tumor cells and found active in Mel In assay.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final condi-tions should be optimized by the ender users! This product is sold for Research Use Only

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