

RPPB0768

Product Information Protein Information

Product SKU:

RPPB0768

Accession:

Q16674

Host:

Escherichia Coli.

Protein description:

Melanoma Inhibitory Activity Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain consisting of 108 amino having a total molecular mass of 12237 Dalton.The MIA is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Melanoma-derived growth regulatory protein precursor, Cartilage-derived retinoic acid-sensitive protein, CD-RAP, MIA.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution containing 20mM Potassium-phosphate pH=7 and 150mM potassium chloride.

Purity:

Greater than 95.0% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.

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.

Stability:

Lyophilized MIA although stable at room temperature 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.

Amino Acid Sequence:

Agrees with the sequence of native MIA human with an addition N-terminal Methionine residue.MGPMPKLADRKLCADQECSSHPISMAVALQDYMAPDCRFLTIHRGQVYVYVFLSKGRGRFLWGGSVQGDYYGDLAARLGYFPSSIVREDQTLKVDVKTKWDFYQC.

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.