



Melanoma Inhibitory Activity 2, human recombinant (rHuMIA2)

Catalog No: 97240
Lot No: XXXXX
Source: *E. coli*
Synonyms: MIA-2, MIA2, Melanoma Inhibitory Activity 2, FLJ22404

Background

MIA2 performs as a tumour suppressor in hepatocellular carcinoma. MIA2 is a novel acute phase protein which its expression is found in the liver and reacts to liver damage in chronic liver diseases and is considerably higher in severe fibrosis patients. MIA2 is induced by IL6, TGF-B & and conditioned medium from activated hepatic stellate cells. MIA2 is mainly expressed in hepatocytes.

Description

Melanoma Inhibitory Activity 2 human recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain consisting of 101 amino acids having a total molecular mass of 11.5 kDa. MIA2 is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

MIA2 was lyophilized from a concentrated (1 mg/ml) solution containing 20 mM phosphate buffer pH 7.4 and 150 mM NaCl.

Solubility

It is recommended to reconstitute the lyophilized MIA2 in sterile 18 MΩ-cm H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized MIA2, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution MIA2 should be stored at 4°C between 2-7 days and for future use below -18°C. Please prevent freeze-thaw cycles.

Purity

Greater than 97.0% as determined by (a) Analysis by RP-HPLC, (b) Analysis by SDS-PAGE.

Amino Acid Sequence

MLESTKLLAD LKKCGDLECE ALINRVSAMR DYRGPDCRYL NFTKGEEISV YVKLAGERED LWAGSKGKEF GYFPRDAVQI
EEVFISEEIQ MSTKESDFLC L

Usage

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