



## Technical Data Sheet

### Recombinant Human Melanoma Inhibitor Activity Protein 2 (rHu MIA-2)

#### *Human Melanoma Inhibitor Activity Protein 2*

MIA2 is a secreted cytokine and a member of the MIA/OTOR family. Members of this family which also includes MIA, OTOR, and TANGO share a Src homology-3 (SH3)-like domain. MIA2 is predominantly expressed in hepatocytes. Elevated levels of MIA2 may represent a clinically useful marker for diagnosis of hepatic disease activity and severity.

<b>Catalog Number:</b>	RC712-27
<b>Source:</b>	<i>Escherichia coli</i>
<b>Molecular Weight:</b>	11.5 kDa, a single non-glycosylated polypeptide chain containing 101 amino acids.
<b>Quantity:</b>	5ug/20ug/1mg
<b>Purity:</b>	>97% by SDS-PAGE and HPLC analyses.
<b>Biological Activity:</b>	Data Not Available.
<b>Physical Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.
<b>Formulation:</b>	Lyophilized from a 0.2µm filtered concentrated (1.0mg/ml) solution in 20mM PB, pH 7.4, 150mM NaCl.
<b>AA Sequence:</b>	MLESTKLLAD LKKCGDLECE ALINRVSAMR DYRGPDCRYL NFTKGEEISV YVKLAGERED LWAGSKGKEF GYFPRDAVQI EEVFISEEIQ MSTKESDFLC L
<b>Endotoxin:</b>	Less than 1EU/µg of rHuMIA-2 as determined by LAL method.
<b>Reconstitution:</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤-20°C. Further dilutions should be made in appropriate buffered solutions.
<b>Storage:</b>	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. <b>Avoid repeated freeze/thaw cycles.</b>
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