

## MIA-2, Human

**Cat. No.:** Z02810-1

**Size:** 1.0 mg

**Synonyms:** Melanoma Inhibitor Activity Protein 2 (MIA-2), Human;

### Description:

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.

### Amino Acid Sequence:

```
00001 LESTKLLADL KCGDLECEA LINRVSAMRD YRGPDCRYLN  
00041 FTKGEEISVY VKLAGEREDL WAGSKGKEFG YFPRDAVQIE  
00081 EVFISEEIQM STKESDFLCL
```

**Source:** *E. coli*

**Species:** Human

**Molecular Weight:** Approximately 11.4 kDa, a single non-glycosylated polypeptide chain containing 100 amino acids.

**Formulation:** Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 150 mM NaCl.

**Appearance:** Sterile Filtered White lyophilized (freeze-dried) powder.

**Reconstitution:** 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.

**Purity:** > 97 % by SDS-PAGE and HPLC analyses.

**Endotoxin Level:** Less than 1 EU/µg of rHuMIA2 as determined by LAL method.

**Storage:** 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. Avoid repeated freeze/thaw cycles.