

# QED Bioscience Inc.

ADVANCED ANTIBODY TECHNOLOGIES

## Recombinant Human Macrophage Inflammatory Protein-1 alpha (rHuMIP-1 $\alpha$ )

### ORDERING INFORMATION

| Catalog Number | Size    |
|----------------|---------|
| 50158P-5       | 5 ug    |
| 50158P-20      | 20 ug   |
| 50158P-1000    | 1000 ug |

**Format:** Sterile filtered, lyophilized.

**Purification:** Chromatographic

### DESCRIPTION

Recombinant Human MIP-1  $\alpha$  produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 70 amino acids with a molecular mass of 7,820 daltons. This product has full biological activity.

### SPECIFICATION SUMMARY

**Source:** *Escherichia coli*

**Stabilizers:** None

**Preservatives:** None

**Purity:** Greater than 98% by RP-HPLC, anion-exchange chromatography; reducing and non-reducing SDS-PAGE, silver stain.

**Dimers/Aggregates:** <1% by SDS-PAGE

**Biological Activity:** Fully biologically active compared to reference standards. Activity determined by the ability to

chemoattract human monocytes at a concentration of 1-10 ng/ml.

**Endotoxin:** <0.1 ng/ug

**Protein Content:** Determined spectrophotometrically at 280nm (extinction coefficient 0.9) and by RP-HPLC analysis against a calibrated standard.

### SOLUBILITY

Reconstitute the lyophilized product in sterile water not less than 100 ug/ml.

### STORAGE AND STABILITY

Lyophilized product is stable at room temperature for 3 weeks. Store lyophilized product desiccated at -20°C. Upon reconstitution, store at 4°C for 2-7 days or aliquot and store at -20°C. For long-term storage add either HSA or BSA to 0.1%. Avoid repeated freeze-thaw cycles.

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures*