

## MIA Protein, Human, Recombinant

### General Information

Synonyms:	MIA;Melanoma inhibitory activity protein;Melanoma-derived growth regulatory protein
Protein Construction:	25-131 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q16674
Molecular Weight:	12.1 kDa (Predicted)
AA Sequence:	GPMPKLADRLKCADQECSPISMAVALQDYMAPDCRFLTIHRGQVVVYVFSKLGKGRGLFWGGSVQGDYYGD LAARLGYPSSIVREDQTLKPGKVDVKTDKWDYFCQ

### QC Testing

Biological Activity:	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human A375 cell line is less than 5 µg/ml, corresponding to a specific activity of > 200 IU/mg.
Purity:	>98% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a 0.2 µm filtered 20 mM PB, pH 7.4, 150mM NaCl

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

**This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use**

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481