



# Recombinant Protein Technical Manual

## Recombinant Mouse Interleukin0/IL0 Protein

RPES1508

### Product Data:

**Product SKU:** RPES1508

**Size:** 10µg

**Species:** Mouse

**Expression host:** E. coli

**Uniprot:** P18893

### Protein Information:

**Molecular Mass:** 18.9 kDa

**AP Molecular Mass:** 16 kDa

**Tag:**

**Bio-activity:**

**Purity:** > 95 % as determined by SDS-PAGE

**Endotoxin:** < 1.0 EU per µg as determined by the LAL method.

**Storage:** Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Reconstitution:** Please refer to the printed manual for detailed information.

**Application:**

**Synonyms:** Interleukin0;Il10;IL0;Cytokine synthesis inhibitory factor;CSIF;

## Immunogen Information:

**Sequence:** Ser19-Ser178

## Background:

Mouse Il10 is the prototypic member of the IL0 cytokine family, including IL0, IL9, IL-20, IL-22 (IL-TIF), IL-24 and IL-26. Many viruses encode viral members of the IL0 family, such as Epstein-Barr virus (EBV) and human cytomegalovirus (HCMV). Its main function is inhibiting the synthesis of a number of cytokines, including IFN-gamma, IL-2, IL-3, TNF and GM-CSF produced by activated macrophages and by helper T-cells. Although human and mouse IL0 are 81% identical at the nucleotide and amino acid level, mouse IL0 is species-specific and does not act on human cells. Interestingly, Human IL0 is active on mouse cells.