

## PILRA Protein, Mouse, Recombinant (His)

### General Information

Synonyms:	FDF03;AV021745;paired immunoglobulin-like type 2 receptor alpha;paired immunoglobulin-like type 2 receptor $\alpha$
Protein Construction:	A DNA sequence encoding the mouse PILRA (NP_705730.1) extracellular domain (Met 1-Val 197) was fused with a polyhistidine tag at the C-terminus. Predicted N terminal: Glu 32
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q2YFS3-1
Molecular Weight:	20.2 kDa (predicted); 35-45 kDa (reducing condition, due to glycosylation)

### QC Testing

Biological Activity:	Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse PILRA at 20 $\mu\text{g/ml}$ (100 $\mu\text{l/well}$ ) can bind mouse CD99. The EC50 of mouse CD99 is 1.55 $\mu\text{g/ml}$ .
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/ $\mu\text{g}$ of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 $\mu\text{m}$ filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

It is recommended to store recombinant proteins at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at  $-80^{\circ}\text{C}$ . For reconstituted protein solutions, the solution can be stored at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$  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**

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