**General Information**

**Gene Name Synonym:**
B430010N18Rik; TIM-4; Tim4

**Protein Construction:**
A DNA sequence encoding the extracellular domain of mouse TIMD4 (NP_848874.3) precursor (Met 1-Thr 279) was expressed, with a C-terminal polyhistidine tag.

**Source:** Mouse

**Expression Host:** HEK293 Cells

**QC Testing**

**Purity:** > 94 % as determined by SDS-PAGE

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

**Stability:**
Samples are stable for up to twelve months from date of receipt at -70 °C

**Predicted N terminal:** Ala 23

**Molecular Mass:**
The secreted recombinant mouse TIMD4 comprises 268 amino acids with a predicted molecular mass of 29.3 kDa. As a result of different glycosylation, the apparent molecular mass of rm TIMD4 is approximately 60-70 kDa in SDS-PAGE under reducing conditions.

**Formulation:**
Lyophilized from sterile PBS, pH 7.4

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

**Usage Guide**

**Storage:**
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

**Reconstitution:**
Detailed reconstitution instructions are sent along with the products.

**References**