

Recombinant Human TIM-4 Protein

Catalog No.: RP03530

Sequence Information

Species **Gene ID**
Human 91937

Swiss Prot **Tags**
Q96H15-1 C-His

Synonyms

TIMD4, TIM4, T-cell
immunoglobulin and mucin
domain-containing protein

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
 determined by
 Tris-Bis PAGE; ≥
 95 % as
 determined by
 HPLC.

Calculated MW **Observed MW**
32.43 kDa 78-98 kDa

Endotoxin

< 1 EU/μg of the protein by LAL
method.

Formulation

Lyophilized from 0.22μm filtered
solution in PBS (pH 7.4). Normally
8% trehalose is added as
protectant before lyophilization.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1-0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

Phosphatidylserine receptor that plays different role in immune response including phagocytosis of apoptotic cells and T-cell regulation. Controls T-cell activation in a bimodal fashion, decreasing the activation of naive T-cells by inducing cell cycle arrest, while increasing proliferation of activated T-cells by activating AKT1 and ERK1/2 phosphorylations and subsequent signaling pathways (By similarity). Also plays a role in efferocytosis which is the process by which apoptotic cells are removed by phagocytic cells

Basic Information

Description

Recombinant Human TIM-4 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Glu25-Gln314) of Human TIM-4 (Accession # Q96H15-1) fused with His tag at the C-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

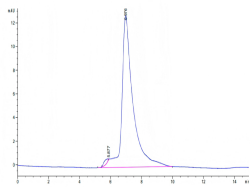
Contact

☎ | 400-999-6126

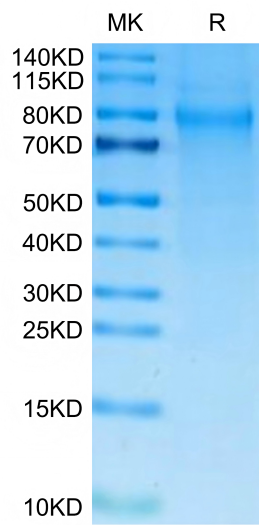
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Validation Data



The purity of Human Recombinant Human TIM-4 Protein is greater than 95% as determined by SEC-HPLC.



Recombinant Human TIM-4 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.