

Human Tim4/TIMD4, Tag Free (ECD) Protein

HA211014



Product name:	Human Tim4/TIMD4, Tag Free (ECD)
Species reactivity:	Human
Bio-Activity:	Testing in progress.
Protein construction description:	A DNA sequence encoding the human Tim4/TIMD4 protein (Q96H15-1) (Glu 25-Gln 314) was expressed with tag free.

Background: T-cell immunoglobulin and mucin domain containing 4 (TIMD-4) also known as T-cell membrane protein 4 (TIM-4) is a protein in humans that is encoded by the TIMD4 gene. TIM-4 genes are in mouse present on chromosome 11B1.1 and in humans on chromosome 5q33.2. TIM-4 contains IgV domain with integrin-binding site as well as a unique metal-ion-dependent ligand binding site for phosphatidylserine. TIM-4 also contains mucin domain with high levels of O-glycosylation. In comparison to other TIM proteins (such as TIM-1, TIM-2...) it does not contain a tyrosine-phosphorylation motif in its intracellular tail domain.

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

Endotoxin: Less than 1.0 EU per µg by the LAL method.

Fragment region: Tim4/TIMD4 (25-314)

Source: HEK293

Accession: Q96H15-1

Predicted molecular mass: 32.1 kD

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 µg/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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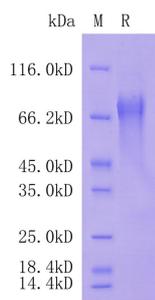


Fig1: Protein on SDS-PAGE under reducing (R) condition.

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