

Recombinant Human TIM-4 (C-6His)

Catalog # EPT185

Expression Host Human Cells

DESCRIPTION Recombinant Human T-cell Immunoglobulin And

Mucin Domain-containing Protein 4 is produced by

our Mammalian expression system and the target

gene encoding Glu25-Leu315 is expressed with a 6His

tag at the C-terminus.

Accession AAH08988.1

Synonyms T-cell immunoglobulin and mucin domain-containing

protein 4; TIMD-4; T-cell immunoglobulin mucin

receptor 4; TIM-4; T-cell membrane protein 4; TIMD4;

TIM4

Mol Mass 32.3 KDa

AP Mol Mass 60-90 KDa, reducing conditions

Purity Greater than 95% as determined by reducing

SDS-PAGE.

Endotoxin Less than 0.1 ng/μg (1 EU/μg) as determined by LAL

test.



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FORMULATION

Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

RECONSTITUTION

Always centrifuge tubes before opening.Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100µg/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SHIPPING

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

STORAGE

Lyophilized protein should be stored at < -20 ° C, though stable at room temperature for 3 weeks.

Reconstituted protein solution can be stored at 4-7°C for 2-7 days.

Aliquots of reconstituted samples are stable at < -20° C for 3 months.

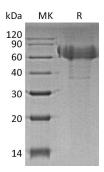
BACKGROUND

T-cell Immunoglobulin and Mucin Domain-containing
Protein 4(TIM-4) belongs to the immunoglobulin
superfamily, is a member of the TIM family of immune
regulating proteins. TIMs are type I transmembrane





proteins with one Ig-like V domain and one Ser/Thr-rich mucin domain. Structurally, TIM-4 is distinguished from other TIMs by the presence of an RGD motif in its Ig domain and the lack of a site for tyrosine phosphorylation in its cytoplasmic tail. The mucin domain in TIM-4 is larger than in TIM-1 or TIM-3. TIM-4 is expressed by macrophages and mature dendritic cells but not by lymphocytes. it is Involved in regulating T-cell proliferation lymphotoxin signaling. The interaction of TIM-4 with TIM-1 induces costimulatory and hyperproliferative signals in T cells. TIM-4 binds specifically to TIM-1 which is also the cellular receptor for the hepatitis A virus, and has been implicated in the development of asthma.



SDS-PAGE

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