

## 32-8998: Recombinant Human T-cell Immunoglobulin and Mucin Domain-containing Protein 4/Tim-4 (C-6His)

**Gene :** TIMD4  
**Gene ID :** 91937  
**Uniprot ID :** Q96H15

### Description

Source: Human Cells.

MW :32.3kD.

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. 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 and 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Storage condition :** 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.

**Amino Acid :** ETVVTEVLGHRVTLPCLYSSWSHNSNSMCWGDQCPYSGCKEALIRTDGMRVTSRKS AKYRLQGTIPRGDVS  
LTILNPSESDSGVYCCRIEVPGWVFNVDVKINVRNLQRAS TTHRTATTTTRTTTTSP TTTTRQM TTTTPAALPTTV  
V TTPDLTTGTPLQMTTIAVFTTANTCLSLTPSTLPEEATGLLTPEPSKEGPILTA ESETVLPDSWSSAESTSADTV  
LLTSKESKVWDL PSTSHVSMWKTSDSVSSPQPGASDTAVPEQNKT TKTGQMDGIPMSMKNEMPISQLHHHHH  
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### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.