

Product datasheet for **TP727758**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Immunoglobulin Mucin Domain-containing Protein/Tim-4 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Glu25-Leu315
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	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.
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.
Stability:	12 months from date of despatch
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
Summary:	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.


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