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## Product Datasheet

### Recombinant Human TIM-4 (C-6His) EBT-EPT185

Article Name	Recombinant Human TIM-4 (C-6His)
Biozol Catalog Number	EBT-EPT185
Supplier Catalog Number	EPT185
Alternative Catalog Number	EBT-EPT185-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product 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....
Molecular Weight	Molecular weight: 32.3 KDa. Apparent molecular weight: 60-90 KDa, reducing conditions
UniProt	AAH08988.1
Purity	Greater than 95% as determined by reducing SDS-PAGE.

#### Application Notes

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