

For Research Use Only

Recombinant Human TIM-3 protein (rFc Tag)



Catalog Number: Eg3357

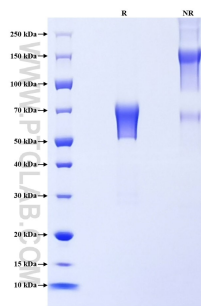
Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	Purity: >90 %, SDS-PAGE Endotoxin Level: <0.1 EU/µg protein, LAL method Source: HEK293-derived Human TIM-3 protein Ser22-Arg200 (Accession# Q8TDQ0-1) with a rabbit IgG Fc tag at the C-terminus GeneID: 84868 Accession: Q8TDQ0-1 Predicted Molecular Mass: 46.1 kDa SDS-PAGE: 52-72 kDa, reducing (R) conditions Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
Biological Activity	Not tested		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. • Until expiry date, -20°C to -80°C as lyophilized proteins. • 3 months, -20°C to -80°C under sterile conditions after reconstitution. Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	TIM3, also known as HAVCR2, is a member of the recently discovered T cell Ig and mucin domain-containing molecule superfamily. TIM3 is a negative regulatory molecule that is important for T cell tolerance and has a crucial role in autoimmunity and T cell exhaustion during chronic viral infection. TIM3 is expressed by T-helper type 1 (Th1) cells, macrophage, monocyte, dendritic cells, CD8+ T cell and other lymphocyte subsets. Galectin-9 is a ligand for TIM3. TIM3-galectin-9 pathway negatively regulates T helper type 1 immunity. TIM3 is a 280-aa membrane protein with a calculated molecular weight of 33 kDa, the higher molecular weights between 50 and 70 kDa probably represent glycosylated TIM3.		
References	1. Isabel Sada-Ovalle. et al.(2012) Nat Immunol.6(12):1245-52. 2. Chen Zhu. et al.(2005) Nat Immunol. 6(12):1245-52. 3. Mi Jin Lee. et al.(2009) Immune Netw.9(2):58-63. 4. Philipp S van de Weyer. et al.(2006) Biochem Biophys Res Commun. 351(2):571-6. 5. J J McIntire. et al.(2001) Nat Immunol. 2(12):1109-16.		
Synonyms	TIM3, CD366, HAVCR2, HAVcr-2, T-cell immunoglobulin and mucin domain-containing protein 3		

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human TIM-3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.