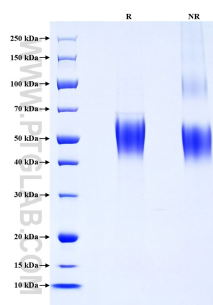


Recombinant Human CRTAM/CD355 protein (His Tag)

Catalog Number: Eg1541

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: His Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Human CRTAM protein Ser18-Ser286 (Accession# O95727-1) with a His tag at the C-terminus.</p> <p>GeneID: 56253</p> <p>Accession: O95727-1</p> <p>Predicted Molecular Mass: 31.0 kDa</p> <p>SDS-PAGE: 40-68 kDa, reducing (R) conditions</p> <p>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.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Cytotoxic and regulatory T cell molecule (CRTAM, also known as CD355) is an immunoglobulin-superfamily transmembrane protein with V and C1-like Ig domains, which is involved in epithelial cell adhesion. CRTAM is critical to instruct the differentiation of CD4+ cytotoxic T cells (CTL) through the induction of eomesodermin and CTL-related genes. It also regulates CD8+ T cell retention within the lymph node and eventually effector function. The predicted molecular weight of CRTAM is 43 kDa. Due to glycosylation, the observed molecular weight of CRTAM can be apparent at ~80 kDa.</p>		
References	<ol style="list-style-type: none">1.Yeh JH, et al. (2008). Cell. 132(5):846-59.2.Garay E, et al. (2010). J Cell Biochem. 111(1):111-22.3.Takeuchi A, et al. (2016). J Exp Med. 213(1):123-38.4.Takeuchi A, et al. (2009). J Immunol. 183(7):4220-8.5.Patiño-Lopez G, et al. (2006). J Neuroimmunol. 171(1-2):145-55.		
Synonyms	CRTAM, CD355, Class-I MHC-restricted T-cell-associated molecule, Cytotoxic and regulatory T-cell molecule		

Selected Validation Data



Purity of Recombinant Human CRTAM 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.

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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