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# Recombinant Mouse IL-13RA2 protein (rFc Tag) (HPLC verified)



Catalog Number: Eg3118

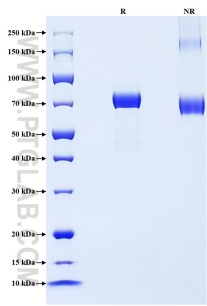
Basic Information	<b>Species:</b> Mouse	<b>Purity:</b> >90 %, SDS-PAGE  >90 %, SEC-HPLC	<b>Tag:</b> rFc Tag
Technical Specifications	<b>Purity:</b> >90 %, SDS-PAGE  >90 %, SEC-HPLC <b>Endotoxin Level:</b> <0.1 EU/µg protein, LAL method <b>Source:</b> HEK293-derived Mouse IL-13RA2 protein Leu22-Lys334 (Accession# O88786-1) with a rabbit IgG Fc tag at the C-terminus. <b>GeneID:</b> 16165 <b>Accession:</b> O88786-1 <b>Predicted Molecular Mass:</b> 62.5 kDa <b>SDS-PAGE:</b> 68-80 kDa, reducing (R) conditions <b>Formulation:</b> 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	<b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"><li>• Until expiry date, -20°C to -80°C as lyophilized proteins.</li><li>• 3 months, -20°C to -80°C under sterile conditions after reconstitution.</li></ul> <b>Shipping:</b> 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	The protein encoded by the IL13ra2 gene is closely related to IL13ra1, a subunit of the interleukin 13 receptor complex. This protein binds IL13 with high affinity but lacks a cytoplasmic domain and does not function as a signal mediator. It is reported to play a role in the internalization of IL13. It acts as a decoy receptor for IL-13, diminishing its STAT6-mediated effector functions. It has been implicated in the pathogenesis of inflammatory bowel disease (IBD). Mouse models have been used to study the function of IL13ra2 in IBD, and its human ortholog IL13RA2 is a promising candidate for the development of therapeutic strategies for IBD.		
References	<ol style="list-style-type: none"><li>1. Seblani M, Zannikou M, et al. (2024) Res Sq. rs.3.rs-5398280.</li><li>2. Zhang T, Zhu M, et al. (2024) J Adv Res. S2090-1232(24)00082-1.</li><li>3. Marquardt RM, Lee K, et al. (2020) Biol Reprod. 103(4):760-768.</li><li>4. Saka M, Amano T, et al. (2010) J Neurosurg. 113(2):270-9.</li></ol>		
Synonyms	CD213a2, IL-13 receptor subunit alpha-2, IL-13R subunit alpha-2, IL13ra2, IL-13R-alpha-2		

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

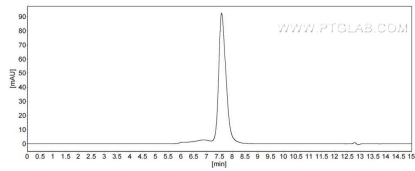
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Selected Validation Data



Purity of Recombinant Mouse IL-13RA2 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.



The purity of Mouse IL-13RA2 was greater than 90% as determined by SEC-HPLC.