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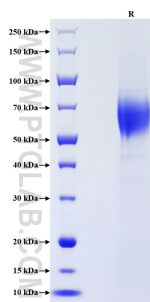
Recombinant Mouse IL-23R protein (His Tag)



Catalog Number: Eg0808

Basic Information	Species: Mouse	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 Mouse IL-23R protein Gly24-Gly374 (Accession# Q8K4B4) with a His tag at the C-terminus.</p> <p>GeneID: 209590</p> <p>Accession: Q8K4B4</p> <p>Predicted Molecular Mass: 41.5 kDa</p> <p>SDS-PAGE: 50-80 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>Interleukin-23 receptor (IL23R) is a type I cytokine receptor that plays a pivotal role in the immune system, particularly in the maturation and function of T helper 17 (Th17) cells. IL23R, along with IL12R β 1, forms the receptor complex necessary for IL-23 signaling, which is critical for the production of IL-17 and the activation of pro-inflammatory activities. This receptor is expressed on various immune cells, including T cells, NK cells, dendritic cells, and macrophages. Research has shown that variations in the IL-23R gene can significantly influence susceptibility to several diseases, particularly inflammatory bowel diseases such as ulcerative colitis (UC) and Crohn's disease (CD). In addition to UC, IL-23R has been implicated in other inflammatory conditions, including rheumatoid arthritis and ankylosing spondylitis.</p>		
References	<ol style="list-style-type: none">1.Mezghiche I, et al. (2024) Eur J Immunol. 54 (1):e2250348.2.Peng LL, et al.(2017) Oncotarget. 8 (3):4849-4863.3.Hamdy G, et al. (2015). Hum Immunol. 76 (6):417-20.		
Synonyms	IL23r, IL 23 receptor, IL 23R, IL-23R, interleukin 23 receptor		

Selected Validation Data



Purity of Recombinant Mouse IL-23R was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

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

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