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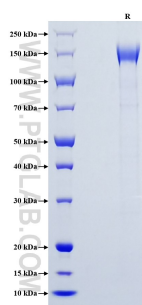
Recombinant Human LIFR protein (rFc Tag)



Catalog Number: Eg2599

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc 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 LIFR protein Gln45-Ser833 (Accession# P42702-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 3977</p> <p>Accession: P42702-1</p> <p>Predicted Molecular Mass: 115.0 kDa</p> <p>SDS-PAGE: 130-200 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>LIFR, also known as CD118, is a subunit of a receptor for leukemia inhibitory factor (LIF). LIF is a pleiotropic cytokine of the interleukin-6 family which affects the differentiation, survival, and proliferation of a wide variety of cells in the adult and the embryo. LIFR is the low-affinity binding chain that, together with the high-affinity converter subunit gp130, forms a high-affinity receptor complex that mediates the action of LIF. The high-affinity complex also binds a related cytokine, oncostatin M. LIFR has also been identified as a breast cancer metastasis suppressor that functions through the HIPPO-YAP pathway.</p>		
References	<ol style="list-style-type: none">1. Mosley, B et al. The Journal of biological chemistry vol. 271,51 (1996): 32635-43.2. Chen, Dahu et al. Nature medicine vol. 18,10 (2012): 1511-7.		
Synonyms	CD118, LIF R, LIF receptor, LIF-R, SJS2		

Selected Validation Data



Purity of Recombinant Human LIFR 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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