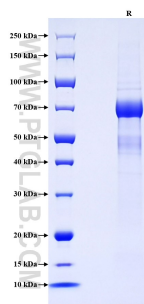


Recombinant Human IGFBP3 protein (rFc Tag)

Catalog Number: Eg1827

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 IGFBP3 protein Gly28-Lys291 (Accession# P17936-1) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 3486</p> <p>Accession: P17936-1</p> <p>Predicted Molecular Mass: 55.0 kDa</p> <p>SDS-PAGE: 65-80 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>Insulin-like growth factor binding protein 3, IGFBP3, is an N-linked glycosylated, phosphorylated, secretory protein with known antiproliferative and pro-apoptotic functions. IGFBP3 belongs to a family of high affinity insulin-like growth factor (IGF) binding proteins, which function to sequester extracellular IGF-1, preventing IGF-1 activation of the insulin-like growth factor receptor, IGF-1R. IGFBP3 is highly expressed in the endometrium and at the maternal-fetal interface in multiple species, including humans. In a mouse embryo coculture system, IGFBP3 was found to be secreted by endometrial cells that promote embryonic development by enhancing the effect of IGF.</p>		
References	<ol style="list-style-type: none"> 1. Linder, Markus et al. (2018). Cell death and differentiation. 1094-1106. 2. Luo, Jin et al. (2020). FASEB journal. 15462-15479. 3. Seo, Ji A et al. (2020). Nature communications. 2024. 24 4. Yaqoob, Usman et al. (2020). Cellular and molecular gastroenterology and hepatology. 545-559. 		
Synonyms	IGFBP3, BP 53, IBP 3, IBP3, IBP-3		

Selected Validation Data



Purity of Recombinant Human IGFBP3 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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