

For Research Use Only

# Recombinant Human ER protein (rFc Tag)



Catalog Number: Eg2234

Basic Information	Species: Human	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p><b>Purity:</b> &gt;90 %, SDS-PAGE</p> <p><b>Endotoxin Level:</b> &lt;1.0 EU/μg protein, LAL method</p> <p><b>Source:</b> HEK293-derived Human ER protein Met1-Gln116 (Accession# P03372-1) with a rabbit IgG Fc tag at the N-terminus.</p> <p><b>GeneID:</b> 2099</p> <p><b>Accession:</b> P03372-1</p> <p><b>Predicted Molecular Mass:</b> 39.4 kDa</p> <p><b>SDS-PAGE:</b></p> <p><b>Formulation:</b> Lyophilized from sterile 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><b>Storage:</b> It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <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> <p><b>Shipping:</b> 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>The estrogen receptor (ESR, ER) is a ligand-activated transcription factor composed of several domains important for hormone binding, DNA binding, and activation of transcription. ESR1, also known as ESR or NR3A1, belongs to the nuclear hormone receptor family and NR3 subfamily. It is a nuclear hormone receptor. The steroid hormones and their receptors are involved in the regulation of eukaryotic gene expression and affect cellular proliferation and differentiation in target tissues. ESR1 can activate the transcriptional activity of TFF1.</p>		
References	<ol style="list-style-type: none"><li>1. Kos, M et al. Molecular endocrinology (Baltimore, Md.) vol. 15,12 (2001): 2057-63.</li><li>2. Flouriot, G et al. The EMBO journal vol. 19,17 (2000): 4688-700.</li></ol>		
Synonyms			
For technical support and original validation data for this product please contact			This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)			E: proteintech@ptglab.com W: ptglab.com

Selected Validation Data