

For Research Use Only

Recombinant Mouse Transferrin R protein (His Tag)



Catalog Number: Eg1064

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: His tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <1.0 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse Transferrin R protein Cys89-Phe763 (Accession# Q62351) with a His tag at the N-terminus.</p> <p>GeneID: 22042</p> <p>Accession: Q62351</p> <p>Predicted Molecular Mass: 77.0 kDa</p> <p>SDS-PAGE:</p> <p>Formulation: 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>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>CD71, also known as transferrin receptor protein 1 (TfR1) is a type II cell membrane-associated glycoprotein involved in iron homeostasis and cell growth. CD71 is commonly upregulated in cells with high proliferative index, including cancer cells that need iron as cofactor of many enzymatic reactions, such as DNA synthesis. CD71 overexpression has been reported in several human malignant tumors, including lymphomas, carcinomas, neuroendocrine, and brain tumors.</p>		
References	<ol style="list-style-type: none">1. Daniels, Tracy R et al. Biochimica et biophysica acta vol. 1820,3 (2012): 291-317.2. Daniels, Tracy R et al. Clinical immunology (Orlando, Fla.) vol. 121,2 (2006): 159-76.3. Pantopoulos, Kostas. Annals of the New York Academy of Sciences vol. 1012 (2004): 1-13.		
Synonyms	CD71, Tfrc, TFR, TFR1, TR		

Selected Validation Data

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

T: 027-87531629

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.