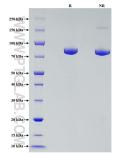
## For Research Use Only Recombinant Human Transferrin R/CD71 protein (His Tag)

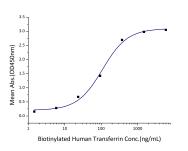


## Catalog Number: Eg0339

Basic Information	<b>Species:</b> Human	Purity: >95 %, SDS-PAGE	Tag: His Tag
	<b>EC50:</b> 54-216 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	<mark>Endotoxin Level:</mark> <0.1 EU/μg protein, LAL method		
	<mark>Source:</mark> HEK293-derived Human Transferrin R protein Cys89-Phe760 (Accession# CAA25527) with a His tag at the N- terminus.		
	GenelD: 7037		
	Accession: CAA25527		
	Predicted Molecular Mass: 76 kDa		
	SDS-PAGE: 75-90 kDa, reducing (R) conditions		
	<b>Formulation:</b> Lyophilized from 0.22 μ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.		
<b>Biological Activity</b>	Immobilized Human Transferrin R (His tag) at 0.5 µg/mL (100 µL/well) can bind Biotinylated Human Transferrin (Myc tag, His tag) with a linear range of 54-216 ng/mL.		
Storage and Shipping	Storage: It is recommended that	the protein be aliquoted for optimal storag	ge. Avoid repeated freeze-thaw cycles.
	<ul> <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>		
	Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.		
Reconstitution	Briefly centrifuge the t	ube before opening. Reconstitute at 0.1-0.5	5 mg/mL in sterile water.
Background	complex that enters the expression levels on so dividing cells. CD71 is in	nsferrin receptor protein 1 (TfR1), is a transmers. Each monomer binds one holo-transfe e cell by endocytosis. CD71 is almost ubiqui me cells and tissues, including immature en nvolved in iron (Fe3+) uptake, and expressio t in actively proliferating cells and is essent	tously expressed, with the highest rythroid cells, placental tissue, and rapidly n is regulated by the metabolic demand
References	2. Dong HY. et al. (2011) 3. Jabara HH. et al. (2016	(2010). Crit Rev Clin Lab Sci. 47(5-6):213-228 . Am J Surg Pathol. 35(5):723-732. i). Nat Genet. 48(1):74-78. 15). Nature. 525(7567):124-128.	3.
Synonyms	Transferrin R/CD71, CD	71, p90, sTfR, T9	

## Selected Validation Data





Purity of Recombinant Human Transferrin R was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue. Immobilized Human Transferrin R (His tag) at 0.5  $\mu$  g/mL (100  $\mu$  L/well) can bind Biotinylated Human Transferrin (Myc tag, His tag) with a linear range of 54-216 ng/mL

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