## For Research Use Only Recombinant Human TNFR1/CD120a protein (His Tag)



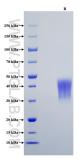
## Catalog Number: Eg0531

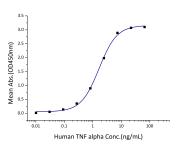
Basic Information	<b>Species:</b> Human	Purity: >95 %, SDS-PAGE	Tag: His Tag
	EC50: 0.8-3.2 ng/mL		
Technical Specifications	Purity: >95 %, SDS-PAGE		
	Endotoxin Level: <0.1 EU/ µ g protein, LAL	method	
	<mark>Source:</mark> HEK293-derived Human TNFR1 protein Ile22-Thr211 (Accession# P19438-1) with a His tag at the C-terminus.		
	GenelD: 7132		
	Accession: P19438-1		
	Predicted Molecular Mas 22.1 kDa	s:	
	SDS-PAGE: 32-48 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 TNFR1 (His tag) at 0.2 $\mu$ g/mL (100 $\mu$ L/well) can bind Human TNF alpha (GST tag) with a linear range of 0.8-3.2 ng/mL.		
Storage and Shipping	Storage: It is recommended that the protein be aliquoted for optimal storage. 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 tu	be before opening. Reconstitute at 0.1-0.5	mg/mL in sterile water.
Background	immune functions, host TNFR1 (TNFRSF1A, CD120 its intracytoplasmic regi to the extracellular space	NF) is a multifunctional cytokine that plays a defense, and apoptosis. TNF signals throug a) and TNFR2 (TNFRSF1B, CD120b). TNFR1, wl on, is thought to be the key receptor for TN e by two mechanisms, ectodomain sheddin IFR1 (sTNFR1) could function as TNF-binding	h two distinct cell surface receptors, hich contains a death domain (DD) within F signaling. This receptor can be released g and constitutive release of full-length
References	2. Aggarwal BB, et al. (20	Biol Chem. 281(10):6860-73. 12). Blood. 119(3):651-65. J Exp Med. 175(2):323-9.	
Suponyms	CD120a, TNFR1, TNFRSF1,	A FPF n55	

Synonyms

CD120a, TNFR1, TNFRSF1A, FPF, p55

## Selected Validation Data





Purity of Recombinant Human TNFR1 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

Immobilized Human TNFR1 (His tag) at 0.2  $\,\mu$  g/mL (100  $\,\mu$  L/well) can bind Human TNF alpha (GST tag) with a linear range of 0.8-3.2 ng/mL

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