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Datasheet for ABIN7275692

TFF1 Protein (AA 25-84) (Fc Tag)

2 Images

Overview

Quantity:	100 µg
Target:	TFF1
Protein Characteristics:	AA 25-84
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TFF1 protein is labelled with Fc Tag.

Product Details

Purpose:	Human TFF1 Protein
Sequence:	Glu25-Phe84
Characteristics:	Recombinant Human TFF1 Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Glu25-Phe84.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	TFF1
Alternative Name:	TFF1 (TFF1 Products)

Target Details

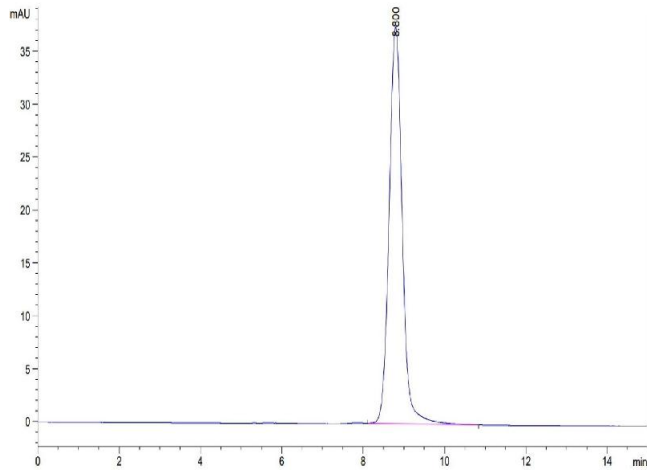
Background:	Breast cancer (BC) is the most common cancer in women and the second leading cause of their cancer death. Establishing an accurate BC prognosis is very difficult because of its heterogeneity. Elevated TFF1 levels in serum were associated with development of BC, TFF1 expression was upregulated in BC compared to the healthy breast tissue. That expression of TFF1 was related to ER status of BC and that expression of TFF1 was lower in TNBC than in non-TNBC.
Molecular Weight:	33.3 kDa. Due to glycosylation, the protein migrates to 40-45 kDa based on Tris-Bis PAGE result.
UniProt:	P04155
Pathways:	EGFR Signaling Pathway

Application Details

Restrictions:	For Research Use only
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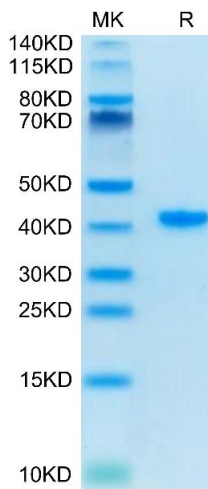
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 1. The purity of Human TFF1 is greater than 95 % as determined by SEC-HPLC.



SDS-PAGE

Image 2. Human TFF1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .