

Datasheet for ABIN7274665

Folate Receptor 4 Protein (AA 20-228) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Folate Receptor 4 (FOLR4)
Protein Characteristics:	AA 20-228
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Folate Receptor 4 protein is labelled with His tag.

Product Details

Purpose:	Human FOLR4/Juno Protein
Sequence:	Gly20-Ser228
Characteristics:	Recombinant Human FOLR4/Juno Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gly20-Ser228.
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:	Folate Receptor 4 (FOLR4)
Alternative Name:	FOLR4 (FOLR4 Products)

Target Details

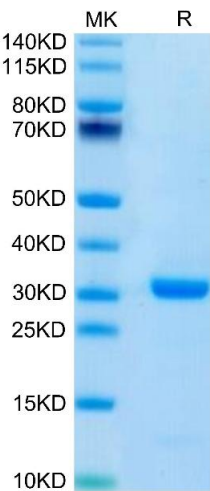
Background:	Izumo1 is the only essential sperm-egg fusion protein currently known on mammalian sperm, and its egg receptor (Juno, formerly Folr4) was recently discovered. Male knockout mice for Izumo1 and female knockout mice for Juno are both healthy but sterile. Here, both sperm-egg binding proteins are shown to be evolving under positive selection. Juno's presence in mammals alone, suggesting a recent mammalian-specific duplication and neofunctionalization of the ancestral folate receptor.
Molecular Weight:	25 kDa. Due to glycosylation, the protein migrates to 30-35 kDa based on Tris-Bis PAGE result.

Application Details

Restrictions:	For Research Use only
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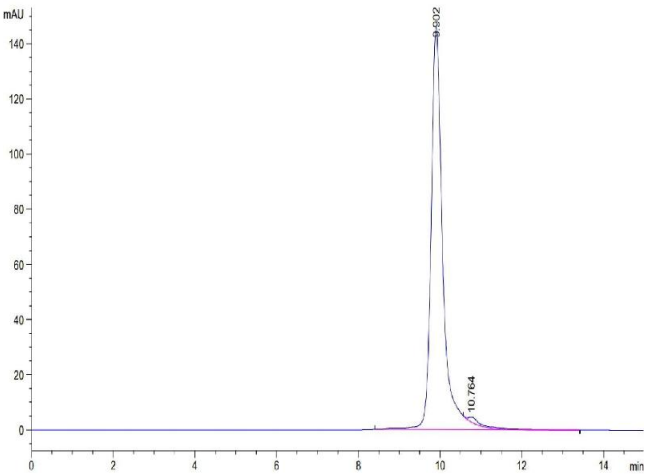
Handling

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



SDS-PAGE

Image 1. Human FOLR4/Juno on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human FOLR4/Juno is greater than 95 % as determined by SEC-HPLC.