

Datasheet for ABIN7275850

WISP1 Protein (AA 23-367) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	WISP1
Protein Characteristics:	AA 23-367
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WISP1 protein is labelled with His tag.

Product Details

Purpose:	Mouse WISP1 Protein
Sequence:	Thr23-Asn367
Characteristics:	Recombinant Mouse WISP1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Thr23-Asn367.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	WISP1
Alternative Name:	WISP1 (WISP1 Products)

Target Details

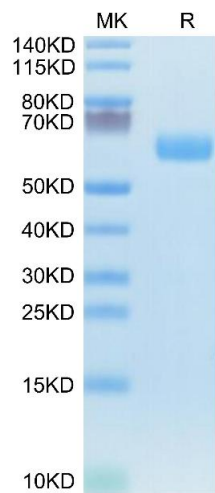
Background:	<p>The interplay between glioma stem cells (GSCs) and the tumor microenvironment plays crucial roles in promoting malignant growth of glioblastoma (GBM), the most lethal brain tumor.</p> <p>WISP1 is preferentially expressed and secreted by GSCs. Silencing WISP1 markedly disrupts GSC maintenance, reduces tumor-supportive TAMs (M2), and potentially inhibits GBM growth.</p> <p>WISP1 signals through Integrin $\alpha 6 \beta 1$-Akt to maintain GSCs by an autocrine mechanism and M2 TAMs through a paracrine manner.</p>
Molecular Weight:	39.4 kDa. Due to glycosylation, the protein migrates to 64-68 kDa based on Tris-Bis PAGE result.
UniProt:	O54775
Pathways:	WNT Signaling , Growth Factor Binding

Application Details

Restrictions:	For Research Use only
---------------	-----------------------

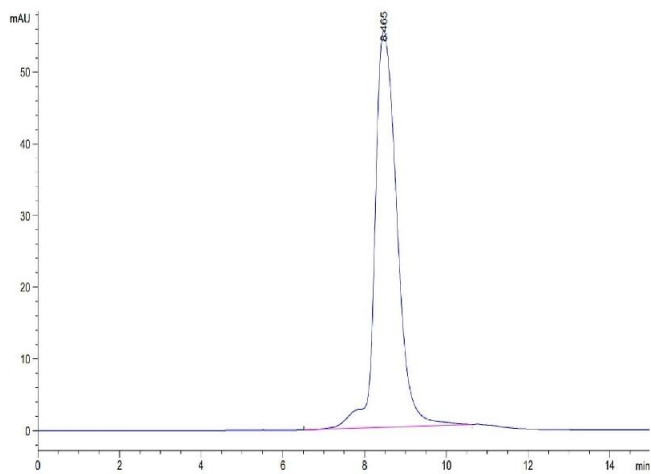
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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. Mouse WISP1 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 Mouse WISP1 is greater than 95 % as determined by SEC-HPLC.