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Datasheet for ABIN7454157
JAG1 Protein (AA 34-1046) (His tag)

Overview

Quantity:	100 µg
Target:	JAG1
Protein Characteristics:	AA 34-1046
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This JAG1 protein is labelled with His tag.

Product Details

Purpose:	Human Jagged 1/JAG1 Protein
Sequence:	Gln34-Ser1046
Characteristics:	Recombinant Human Jagged 1/JAG1 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln34-Ser1046.
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:	JAG1
Alternative Name:	Jagged 1 (JAG1 Products)

Target Details

Background: JAGGED1 (JAG1) is composed of a relatively small intracellular domain, a transmembrane domain and a larger extracellular component. JAG1 is widely expressed throughout mammalian development, across many tissues and developmental stages. The Notch signaling pathway and JAG1 in particular have been implicated in multiple forms of cancer and multiple aspects of cancer biology including tumor angiogenesis, neoplastic cell growth, cancer stem cell maintenance and the metastatic process.

Molecular Weight: 111.56 kDa. Due to glycosylation, the protein migrates to 120-140 kDa based on Tris-Bis PAGE result.

Pathways: [Notch Signaling](#), [Stem Cell Maintenance](#)

Application Details

Restrictions: For Research Use only

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 0.22 µm 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