

Datasheet for ABIN2181410

JAG1 Protein (AA 34-1046) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 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

Sequence:	AA 34-1046
Characteristics:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 112.3 kDa. The protein migrates as 160-180 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Purity:	>90 % as determined by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	JAG1
Alternative Name:	Jagged 1 (JAG1 Products)

Target Details

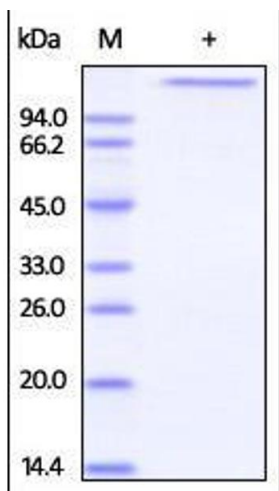
Background:	Protein jagged-1 (JAG1) is also known as Jagged1, hJ1, JAGL1 and CD339, which is a single-pass type I membrane protein containing one DSL domain and 15 EGF-like domains. JAG1 is widely expressed in adult and fetal tissues,the expression of JAG1 is up-regulated in cervical squamous cell carcinoma and also expressed in bone marrow cell line HS-27a.JAG1 is a ligand for multiple Notch receptors and involved in the mediation of Notch signaling. JAG1 is involved in early and late stages of mammalian cardiovascular development. JAG1 inhibits myoblast differentiation by similarity and enhances fibroblast growth factor-induced angiogenesis (in vitro).
Molecular Weight:	112.3 kDa
NCBI Accession:	NP_000205
Pathways:	Notch Signaling , Stem Cell Maintenance

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Handling Advice:	Please avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	Lyophilized Protein should be stored at -20 °C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20 °C or -70 °C.



SDS-PAGE

Image 1. Human Jagged 1, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 92%.