

Proteoliposomes

Full-Length

# JAG1 (Human) Recombinant Protein

Catalog # H00000182-G01

Size 10 ug

## Specification

### Product Description

Human JAG1 full-length ORF (NP\_000205.1) recombinant protein without tag.  
This product is belong to Proteoliposome (PL).

### Sequence

MRSRTRGRSGRPLSLLLALLCALRAKVC GASGQFELEILSMQNVN GELQNGNCCGGARNPGD  
RKCTRDECDTYFKVCLKEYQSRV TAGGPCSFGSGSTPVIGGNTFNLKASRGNDRNRVLPFSFA  
WPRS YLLVEAWDSSNDTVQPDSIIEKASHSGMINPSRQWQTLKQNTGVAHFEYQIRVTCDDYY  
GFGCNKFCRPRDDFFGHYACDQNGNKTCMEGWMP ECNRAICRQGCSPKHGSKLPGDCRC  
QYGWQGLYCDKCIPHPGCVHGICNEPWQCLCETNWGGQLCDKDLNYCGTHQPCLNGGTC SNT  
GPDKYQCSCPEGYS GPNCEIAEHA CLSDPCHNRG SCKETSLGFECECSPGWTGPTCSTNIDDC  
SPNNCSHG GTCQDLVNGFKVCPPQWTGKTCQLDANECEAKPCVNAK SCKNLIASYYCDCLPG  
WMGQNC DININDCLGQCQNDASCRDLVNGYRCIPPGYAGDH CERDIDECASNPCLNGGHCQN  
EINRFQCLCPTGFSGNLCQLDIDYCEPNPCQNGAQCYNRASDYFKCPEDEYEGKNC SHLKD HCR  
TTPCEVIDSCTVAMASNDTPEGVRYISSNVC GPHGKCKSQSGGKFTCDCNKGFTGT YCHENIND  
CESNPCRNGGTCIDGVNSYKICSDGWEGAYCETNINDCSQNPCHNGGTCRDLVNDFYCDCKN  
GWKGTCHSRDSQCDEATC NNGGTCYDEGDAFKCMCPGGWEGTTCNIARNSSCLPNPCHNG  
GTCV VNGESFTCVCKEGWEGPICAQNTNDCSPHPCYNSGTCVDGDNWYRCECAPGFAGPDCR  
ININECQSSPCAFGATCVDEINGYRCVCP PGHSGAKCQEVSGRPCITMGSVIPDGAKWDDDCNT  
CQCLNGRIACSKVWCGPRPCLLHKGHSECP SGQSCIPILDDQCFVHPCTGVGECRSSLQPVK T  
KCTSDSYQDNCANITFTFNKEMMSPGLTTEHICSELRNLNILKNVSAEYSYACEPSPSANNEIHV  
AISAEDIRDDGNPIKEITDKIIDLVSKRDGNSSLIAA VA EVRVQRRPLKNRTDFLVP LLSSVLTVAWIC  
CLVTAFYWCLRKRKPGSHTHSASEDN TTNVREQLNQIKNPIEKHGANTVPIKDYENKNSKMSKI  
RTHNSEVEEDDMDKHQQKARFAKQPAYTLVDRE EKPPNGTPTKHPNWTNKQDNRDLESAQSLN  
RMEYV

**Host** Wheat Germ (in vitro)

**Theoretical MW (kDa)** 133.8

**Interspecies Antigen Sequence** Mouse (97); Rat (96)

**Form** Liquid

**Preparation Method** [in vitro wheat germ expression system with proprietary liposome technology](#)

**Purification** None

**Recommend Usage** Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	Best use within three months from the date of receipt of this protein.

## Applications

- Antibody Production

## Gene Info — JAG1

<b>Entrez GeneID</b>	<a href="#">182</a>
<b>GeneBank Accession#</b>	<a href="#">NM_000214.1</a>
<b>Protein Accession#</b>	<a href="#">NP_000205.1</a>
<b>Gene Name</b>	JAG1
<b>Gene Alias</b>	AGS, AHD, AWS, CD339, HJ1, JAGL1, MGC104644
<b>Gene Description</b>	jagged 1 (Alagille syndrome)
<b>Omim ID</b>	<a href="#">118450</a> <a href="#">187500</a> <a href="#">601920</a>
<b>Gene Ontology</b>	<a href="#">Hyperlink</a>
<b>Gene Summary</b>	The jagged 1 protein encoded by JAG1 is the human homolog of the Drosophila jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophila jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagged 1 signalling through notch 1 has also been shown to play a role in hematopoiesis. [provided by RefSeq]
<b>Other Designations</b>	OTTHUMP00000030278jagged 1

## Pathway

- [Notch signaling pathway](#)

## Disease

- [Alagille Syndrome](#)
- [Alzheimer disease](#)
- [Brain Diseases](#)
- [CADASIL](#)
- [Cardiovascular Diseases](#)
- [Cerebral Amyloid Angiopathy](#)
- [Chromosome Deletion](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Down Syndrome](#)
- [Edema](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Heart Defects](#)
- [Hepatitis C](#)
- [Kidney Failure](#)
- [Multiple Sclerosis](#)
- [Neuroblastoma](#)
- [Osteoporosis](#)
- [Pulmonary Valve Stenosis](#)
- [Tetralogy of Fallot](#)