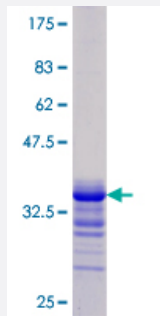


JAG1 (Human) Recombinant Protein (Q02)

Catalog # H00000182-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human JAG1 partial ORF (NP_000205.1, 37 a.a. - 119 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LEILSMQNVNGELQNGNCCGGARNPGDRKCTRDECDTYFKVCLKEYQSRVTAGGPCSFGSGST PVIGGNTFNLKASRGNDRNR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.76
Interspecies Antigen Sequence	Mouse (99); Rat (100)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — JAG1

Entrez GeneID [182](#)

GeneBank Accession# [NM_000214](#)

Protein Accession# [NP_000205.1](#)

Gene Name JAG1

Gene Alias AGS, AHD, AWS, CD339, HJ1, JAGL1, MGC104644

Gene Description jagged 1 (Alagille syndrome)

Omim ID [118450](#) [187500](#) [601920](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations 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](#)