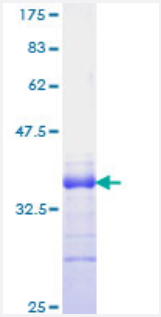
JAG1 (Human) Recombinant Protein (Q01)

Catalog # H00000182-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human JAG1 partial ORF (NP_000205, 531 a.a. - 620 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PNPCQNGAQCYNRASDYFCKCPEDYEGKNCSHLKDHCRTTPCEVIDSCTVAMASNDTPEGVRYISSNVCGPHGKCKSQSGGKFTCDCNKG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	35.64
Interspecies Antigen Sequence	Mouse (99); Rat (99)
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
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 Drosophilia jagged protein. Human jagged 1 is the ligand for the receptor notch 1, the latter a human homolog of the Drosophi lia jagged receptor notch. Mutations that alter the jagged 1 protein cause Alagille syndrome. Jagg ed 1 signalling through notch 1 has also been shown to play a role in hematopoiesis. [provided by RefSeq
Other Designations	OTTHUMP00000030278|jagged 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