Recombinant Rat Jag1 Protein, His-tagged

Cat. No. Jag1-1705R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Jag1 Protein (Ser826-Cys1084) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser826-Cys1084
Description	Enables Notch binding activity and receptor ligand activity. Involved in several processes, including animal organ regeneration; inner ear auditory receptor cell differentiation; and positive regulation of cardiac epithelial to mesenchymal transition. Located in plasma membrane. Human ortholog(s) of this gene implicated in Alagille syndrome; congenital heart disease; multiple sclerosis; and tetralogy of Fallot. Orthologous to human JAG1 (jagged canonical Notch ligand 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.9 kDa Accurate Molecular Mass: 32 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

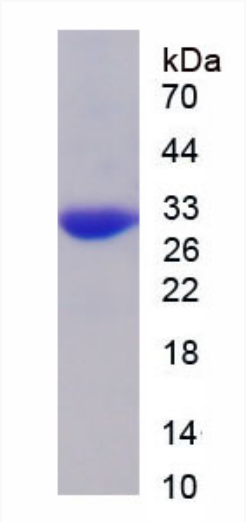
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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Jag1 jagged 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Jag1
Synonyms	JAG1; jagged 1; protein jagged-1;
Gene ID	29146
mRNA Refseq	NM_019147
Protein Refseq	NP_062020
UniProt ID	Q63722

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