



Recombinant Protein Technical Manual
Recombinant Human Jagged 1/JAG1 Protein (Fc Tag)
RPES2673

Product Data:

Product SKU: RPES2673

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: NP_000205.1

Protein Information:

Molecular Mass: 138.5 kDa

AP Molecular Mass: 141 kDa

Tag: C-Fc

Bio-activity:

Purity: > 90 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Protein jagged I; Jagged; JAGL1; HJ1; JAG1 and CD339;AGS;AHD;AWS;Jagged 1

Immunogen Information:

Sequence: Gln34-Ser1046

Background:

Protein jagged 1, also known as Jagged, JAGL1, HJ1, JAG1 and CD339, is a single-pass type I membrane protein. JAG1 contains one DSL domain and sixteen EGF-like domain. JAG1 acts as a ligand for multiple Notch receptors and is involved in the mediation of Notch signaling. JAG1 may participate in early and late stages of mammalian cardiovascular development, JAG1 inhibits myoblast differentiation and enhances fibroblast growth factor-induced angiogenesis. Defects in JAG1 are the cause of Alagille syndrome type 1, which is autosomal dominant multisystem disorder defined clinically by hepatic bile duct paucity and cholestasis in association with cardiac, skeletal, and ophthalmologic manifestations.