

# Product Sheet

## Jagged-1 Fc fusion protein

**Catalog #** JAGGFC-050; JAGGFC-250; JAGGFC-1000

**Description** The Notch pathway is an important pathway in stem cell functions. Jagged-1, a ligand for Notch receptors, is a 180kDa type 1 membrane glycoprotein of the Delta/Serrate/Lag2 (DSL) family.

StemRD's Jagged-1 Fc fusion protein is expressed in human 293 cells as the 1046aa N-terminal extracellular domain of Jagged-1 fused to the Fc domain of human IgG1. This fusion stabilizes Jagged-1 in vitro and in vivo without significant compromise in its biological activity.

**Formulation** Lyophilized in a sterile solution of PBS.

**Reconstitution** Before reconstitution, we recommend a brief spin to drive down any material dislodged from the bottom of the tube. The lyophilized peptide should be reconstituted in sterile water.

**Stability** The lyophilized protein is stable for at least 1 year if stored at -80 degree C. Reconstituted protein is stable for at least 1 month at 4 degree C, but should be stored in aliquots at -80 degree C for longer term. Avoid repeated freeze and thaw.

**Purity** Greater than 90% as determined by SDS-PAGE analysis

**Biological Activity** Determined by a Notch pathway specific reporter gene assay. EC50s are in the range of 200 – 1000 ng/mL.

**Country of Origin** USA

**For Research Use Only. Not for Use in Humans.**