

## Recombinant Human FasL protein(His Tag)

**Catalog Number:** PKSH034124

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

|                      |   |
|----------------------|---|
| <b>Species</b>       | Human   |
| <b>Source</b>        | E.coli-derived Human FasL protein Gln 130-Leu 281, with an N-terminal His & SUMO  |
| <b>Calculated MW</b> | 29.5 kDa  |
| <b>Observed MW</b>   | 30-35 kDa   |
| <b>Accession</b>     | P48023  |
| <b>Bio-activity</b>  | Measure by its ability to induce apoptosis in Jurkat cells. The ED <sub>50</sub> for this effect is <1 ng/mL. The specific activity of recombinant human FasL is > 1 x 10 <sup>6</sup> IU/mg. |

### Properties

|                       |  |
|-----------------------|--|
| <b>Purity</b>         | > 98 % as determined by reducing SDS-PAGE.   |
| <b>Endotoxin</b>      | < 0.1 EU per µg of the protein as determined by the LAL method.  |
| <b>Storage</b>        | Generally, 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. |
| <b>Shipping</b>       | This product is provided as lyophilized powder which is shipped with ice packs.  |
| <b>Formulation</b>    | Lyophilized from sterile PBS, pH 8.0.<br>Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.<br>Please refer to the specific buffer information in the printed manual.             |
| <b>Reconstitution</b> | Please refer to the printed manual for detailed information.   |

### Background

Fas Ligand, also known as FASLG and CD95L, is the ligand for FAS. It is a transmembrane protein which binds to TNFRSF6/FAS. Interaction of FAS with fas Ligand is critical in triggering apoptosis of some types of cells such as lymphocytes. Fas Ligand may be involved in cytotoxic T-cell mediated apoptosis and in T-cell development. TNFRSF6/FAS-mediated apoptosis may have a role in the induction of peripheral tolerance, in the antigen-stimulated suicide of mature T-cells, or both.

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