

Human Fas Ligand / FASLG / CD95L Protein (His Tag)

Catalog Number: 10244-H07Y



Sino Biological Inc.

Biological Solution Specialist

General Information

Gene Name Synonym:

FASLG

Protein Construction:

A DNA sequence encoding human FASLG (NP_000630.1) (Pro134-Leu281) was expressed with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: Yeast

QC Testing

Purity: > 90 % as determined by SDS-PAGE

Bio-Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized human His-FASLG at 10 µg/ml (100 µl/well) can bind Cynomolgus FAS-Fc (Cat:90273-C02H). The EC₅₀ of Cynomolgus FAS-Fc (Cat:90273-C02H) is 0.06-0.14 µg/ml.

2. Immobilized human His-FASLG at 10 µg/ml (100 µl/well) can bind rat FAS-Fc (Cat:80043-R02H). The EC₅₀ of rat FAS-Fc (Cat:80043-R02H) is 0.22-0.52 µg/ml.

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: His

Molecular Mass:

The recombinant human human FASLG consists of 168 amino acids and predicts a molecular mass of 19.3 KDa. It migrates as an approximately 26 KDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

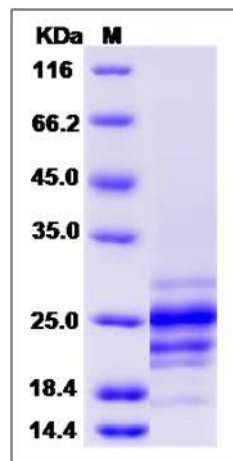
Usage Guide

Storage:

Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

SDS-PAGE:



Reconstitution:

Detailed reconstitution instructions are sent along with the products.

Protein Description

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.

References

1. Pitti R M. et al., 1998, Nature. 396 (6712): 699-703.
2. Hane M. et al., 1995, FEBS Lett. 373 (3): 265-8.
3. Schneider P. et al., 1997, J Biol Chem. 272 (30): 18827-33.

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Fax :+86-10-51029969 • Tel:+86-400-890-9989 • <http://www.sinobiological.com>