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Datasheet for ABIN7320531 FSTL1 Protein (Fc Tag)

Overview

| | |
|-------------------------------|---|
| Quantity: | 50 µg |
| Target: | FSTL1 |
| Origin: | Mouse |
| Source: | Human Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FSTL1 protein is labelled with Fc Tag. |

Product Details

| | |
|------------------|---|
| Purpose: | Recombinant Mouse FSTL1 Protein (Fc Tag) |
| Sequence: | Glu19-Ile306 |
| Characteristics: | Recombinant Mouse Follistatin-like Protein 1 is produced by our Mammalian expression system and the target gene encoding Glu19-Ile306 is expressed with a Fc tag at the C-terminus. |
| Purity: | > 95 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |

Target Details

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|-------------------|---|
| Target: | FSTL1 |
| Alternative Name: | FSTL1 (FSTL1 Products) |
| Background: | Background: Follistatin-like 1 (FSTL1) is a secreted glycoprotein that has been grouped into the follistatin family of proteins. FSTL1 is composed of a follistatin domain and two non-functional calcium-binding motifs. It was originally cloned as a TGFβ1 inducible factor but subsequently |

Target Details

shown to regulate diverse developmental pathways and tissue homeostasis. Ablation of the FSTL1 gene in the mouse results in several structural developmental defects and neonatal lethality due to respiratory failure. FSTL1 suppresses BMP signaling, but the precise mechanism of its action has not been elucidated. FSTL1 is expressed in the human placenta, mainly in extravillous trophoblasts.

Synonym: Follistatin-related protein 1, Follistatin-like protein 1, TGF-beta-inducible protein TSC-36, Fstl1

Molecular Weight: 59.6 kDa

UniProt: [Q62356](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

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

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.