Recombinant Mouse FSTL1 Protein (His Tag)

Catalog No. PKSM041025

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

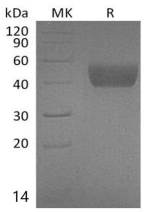
Description

Synonyms	Follistatin-related protein 1;Follistatin-like protein 1;TGF-beta-inducible protein TSC-36;Fstl1
Species	Mouse
Expression Host	HEK293 Cells
Sequence	Glu19-Ile306
Accession	Q62356
Calculated Molecular Weight	33.5 kDa
Observed molecular weight	45-58 kDa
Tag	C-His
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ 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, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Follistatin-like 1 (FSTL1) is a secreted glycoprotein that has been grouped into the follistatin family of proteins. FSTL1 is

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composed of a follistatin domain and two non-functional calcium-binding motifs. It was originally cloned as a TGFβ1 inducible factor but subsequently 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.

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