



Follistatin-like 1 Recombinant Protein

CATALOG NUMBER: 92-648

Specifications

SPECIES:	Mouse
SOURCE SPECIES:	Human Cells
SEQUENCE:	Glu19-Ile306
FUSION TAG:	C-6 His tag
APPLICATIONS:	This recombinant protein can be used for biological assays. For research use only.

Properties

PURITY:	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
PREDICTED MOLECULAR WEIGHT:	33.5 kD
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4. It is not recommended to reconstitute to a concentration less than 100 ug/ml. Dissolve the lyophilized protein in ddH ₂ O.
STORAGE CONDITIONS:	Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.

Additional Info

ALTERNATE NAMES:	Follistatin-related protein 1, Follistatin-like protein 1, TGF-beta-inducible protein TSC-36, Fstl1
ACCESSION NO.:	Q62356

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 TGF beta 1 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.

FOR RESEARCH USE ONLY

December 14, 2016