

### 32-8723: Recombinant Mouse Follistatin-Like 1/FSTL1 (C-6His)

**Gene :** Fstl1  
**Gene ID :** 14314  
**Uniprot ID :** Q62356

#### Description

Source: Human Cells.  
MW :33.5kD.

Recombinant Mouse Follistatin-like Protein 1 is produced by our Mammalian expression system and the target gene encoding Glu19-Ile306 is expressed with a 6His tag at the C-terminus. 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 beta1 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.

#### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.  
**Storage condition :** 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.  
**Amino Acid :** EEEPRSKSKICANVFCGAGRECAVTEKGTEPTCLCIEQCKPHKRPVCGSNGKTYLNHCELHRDACL  
TGSKIQVDYDGHCKEKKASPSASPVVCYQANRDELRRRLIQWLEAEIIPDGWFSKGSNYSEILDK  
YKSF DNGD SHLDSSEFLKFVEQNETAINITTYADQENNKLLRSLCVDALIELSDENADWKLSFQEF  
LKCLNPSFNPPEKKCALEDETYADGAETEVD CNRCVCSCGHWVCTAMTCDGKNQKGVQTHTEEE  
KTGYVQELQKHQGTAEKTKKVNTKEIVDHHHHHH

#### Application Note

**Endotoxin :** Less than 0.1 ng/Âµg (1 IEU/Âµg) as determined by LAL test.