

Follistatin-like 1/FSTL1 Protein, Rat (HEK293, C-His)

Cat. No.:	HY-P75781A
Synonyms:	Follistatin-related protein 1; Follistatin-like protein 1; FSTL1; FRP
Species:	Rat
Source:	HEK293
Accession:	NP_077345.1 (E19-I306)
Gene ID:	79210
Molecular Weight:	37-48 kDa

PROPERTIES

AA Sequence	<pre> E E E Q R S K S K I C A N V F C G A G R E C A V T E K G E P T C L C I E Q C K P H K R P V C G S N G K T Y L N H C E L H R D A C L T G S K I Q V D Y D G H C K E K K S V S P S A S P V V C Y Q A N R D E L R R R I I Q W L E A E I I P D G W F S K G S N Y S E I L D K Y F K S F D N G D S H L D S S E F L K F V E Q N E T A V N I T A Y P N Q E N N K L L R G L C V D A L I E L S D E N A D W K L S F Q E F L K C L N P S F N P P E K K C A L E D E T Y A D G A E T E V D C N R C V C S C G H W V C T A M T C D G K N Q K G V Q T H T E E E M T R Y A Q E L Q K H Q G T A E K T K K V N T K E I </pre>
Biological Activity	Immobilized Recombinant Follistatin-like 1/FSTL1 at 2 µg/ml (100 µl/well) can bind Biotinylated Recombinant human BMP-4 Protein. The ED ₅₀ for this effect is 101.5 ng/mL.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The Follistatin-like 1 (FSTL1) protein is predicted to have calcium ion binding and heparin binding activity. It is also
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predicted to be involved in processes such as endothelial cell differentiation, endothelial cell migration, and regulation of the BMP signaling pathway. Additionally, it is predicted to play a role in hematopoietic stem cell homeostasis and is located in the extracellular region. The FSTL1 protein is orthologous to the human FSTL1 gene and its function is supported by the Alliance of Genome Resources. It shows biased expression in tissues such as the heart, lung, and nine other tissues.

Caution: Product has not been fully validated for medical applications. For research use only.

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