

Recombinant Horse FGF8 Protein, His-tagged

Cat. No. FGF8-934H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Horse FGF8 Protein (Arg44-Thr229) with His tag was expressed in E. coli.
Species	Horse
Source	E.coli
ProteinLength	Arg44-Thr229
Description	The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, tissue repair, tumor growth and invasion. This protein is known to be a factor that supports androgen and anchorage independent growth of mammary tumor cells. Overexpression of this gene has been shown to increase tumor growth and angiogenesis. The adult expression of this gene is restricted to testes and ovaries. Temporal and spatial pattern of this gene expression suggests its function as an embryonic epithelial factor. Studies of the mouse and chick homologs revealed roles in midbrain and limb development, organogenesis, embryo gastrulation and left-right axis determination. The alternative splicing of this gene results in four transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.2 kDa; Accurate Molecular Mass: 27 kDa

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Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	FGF8 fibroblast growth factor 8 [<i>Equus przewalskii</i> (Przewalski's horse)]
Official Symbol	FGF8
Synonyms	FGF8; fibroblast growth factor 8; fibroblast growth factor 8
Gene ID	103551394
mRNA Refseq	XM_008520875
Protein Refseq	XP_008519097
UniProt ID	A0A5F5PV87

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