Datasheet for ABIN7318494

FGF9 Protein

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Overview

Quantity:	100 µg
Target:	FGF9 (FGF-9)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human FGF-9/FGF9 Protein (Active)
Sequence:	Met 1-Ser208
Characteristics:	Recombinant Human Fibroblast Growth Factor 9 is produced by our E.coli expression system and the target gene encoding Met1-Ser208 is expressed.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured in a cell proliferation assay using Balb/3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 1-5 ng/ml.

Target Details

Target:	FGF9 (FGF-9)
Alternative Name:	FGF-9/FGF9 (FGF-9 Products)

Target Details

Background:	Background: Fibroblast Growth Factor 9 (FGF-9) belongs to 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. FGF-9 plays an important role in the regulation of embryonic development, cell proliferation, cell differentiation and cell migration. In addition, FGF-9 may have a role in glial cell growth and differentiation during development, gliosis during repair and regeneration of brain tissue after damage, differentiation and survival of neuronal cells, and growth stimulation of glial tumors. Synonym: Fibroblast Growth Factor 9, FGF-9, Glia-Activating Factor, GAF, Heparin-Binding Growth Factor 9, HBGF-9, FGF9
Molecular Weight:	23.4 kDa
UniProt:	P31371

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl,1 mM EDTA,5 % Trehalose, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.