

Datasheet for ABIN7198878

FGF8 Protein[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	FGF8
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Purpose:	Recombinant Human FGF8a/FGF-8a Protein (Active)
Sequence:	Gln23-Arg204
Characteristics:	A DNA sequence encoding the human FGF8a (NP_149355.1) (Gln23-Arg204) was expressed with an initial Met.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	Please contact us for more information.
Biological Activity Comment:	Measured in a cell proliferation assay using BALB/c 3T3 mouse fibroblasts. The ED50 for this effect is typically 0.8-3.3 µg/mL.

Target Details

Target:	FGF8
Alternative Name:	FGF8a (FGF8 Products)

Target Details

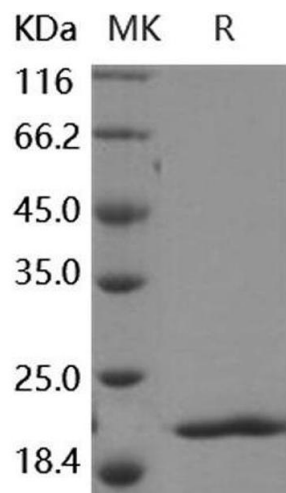
Background:	<p>Background: The protein encoded by this gene is a member of the fibroblast growth factor (FGF) family. FGF family members possess broad mitogenic and cell survival activities, and are involved in a variety of biological processes, including embryonic development, cell growth, morphogenesis, 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.</p> <p>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.</p> <p>Synonym: AIGF,FGF-8,HBGF-8,HH6,KAL6</p>
Molecular Weight:	21.3 kDa
NCBI Accession:	NP_149355
Pathways:	RTK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Dopaminergic Neurogenesis

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 20 mM Tris, 500 mM NaCl, pH 8.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>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.</p>



Western Blotting

Image 1.