

# Recombinant Human FES/FPS Kinase

Catalog No.: RP03374LQ

## Sequence Information

**Species**      **Gene ID**  
Human            2242

**Swiss Prot**    **Tags**  
P07332          N-His

### Synonyms

FES; FPS; c-Fes; c-Fps; p93c-fes;  
Tyrosine-protein kinase Fes/Fps;  
Feline sarcoma/Fujinami avian  
sarcoma oncogene homolog

## Product Information

**Source**            **Purification**  
E. coli              ≥ 80 % as  
determined by  
SDS-PAGE; ≥ 80  
% as determined  
by HPLC.

**Calculated MW** **Observed MW**  
44.5 kDa            35-45 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL  
method.

### Formulation

Supplied as a 0.22 μm filtered  
solution in 50 mM Tris-HCl, 200  
mM NaCl, 5% glycerol. (pH 7.5).  
Contact us for customized product  
form or formulation.

### Reconstitution

Please use running water to thaw  
it quickly.

## Background

Tyrosine-protein kinase Fes/Fps also known as proto-oncogene c-Fes/Fps is an enzyme that in humans is encoded by the FES gene. FES was originally cloned as a retroviral oncogene from feline (v-FES) and avian (v-FPS) sarcomas. This triggered the subsequent identification and cloning of the cellular FES (c-FES) genes (also referred to as FPS) in birds and mammals. This gene encodes the human cellular counterpart of a feline sarcoma retrovirus protein with transforming capabilities. Feline sarcoma oncogene has been shown to interact with BCAR1 and BCR gene.

## Basic Information

### Description

Recombinant Human FES/FPS Kinase is produced by E. coli expression system. The target protein is expressed with sequence (Ile448-Arg822) of Human FES (Accession #P07332) fused with a N-His tag.

### Activity

The activity of FES is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

### Shipping

Lyophilized proteins are shipped at ambient temperature.  
Liquid proteins are shipped at frozen temperature with dry ice.  
Upon receipt, store it immediately at the temperature recommended below.

### Storage

Store at -70°C

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

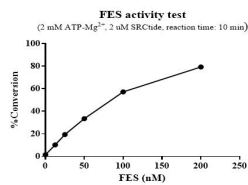
## Contact

☎ | 400-999-6126

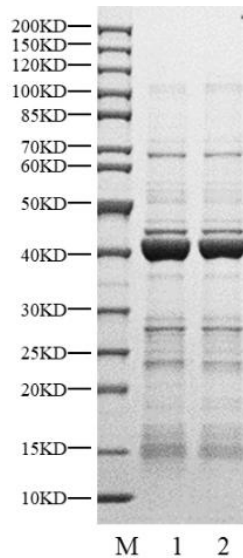
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# Validation Data



The activity of FES is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.



Recombinant Human FES/FPS Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.