

Datasheet for ABIN7547607

## FGGY Protein (AA 1-551) (His tag)



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### Overview

Quantity:	1 mg
Target:	FGGY
Protein Characteristics:	AA 1-551
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FGGY protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat FGGY Protein expressed in mammalian cells.
Sequence:	<p>MSGGEQKPER YYVGVDVGTG SVRAALVDQS GVLLAFADQP IKNWEPQFNH HEQSSEDIWA</p> <p>ACCVVTKKV VQGIDLNQIRG LGFDATCSLV VLDKQFHPLP VNQEGDSHRN VIMWLDHRAV</p> <p>SQVNRINETK HSVLQYVGGV MSVEMQAPKL LWLKENLREI CWDKAGHFFD LPDFLSWKAT</p> <p>GVTARSLCSL VCKWTYSAEK GWDDSFWKMI GLEDFVADNY SKIGNQVLPP GASLGNGLTP</p> <p>EAARDLGLLP GIAVAASLID AHAGGLGVIG ADVRGHGLIC EGQPVTSRLA VICGTSSCHM</p> <p>GISKDPIFVP GVWGPYFSAM VPGFWLNEGG QSVTGKLIDH MVQGHAAFPE LQVKATARCQ</p> <p>SIYAYLNSHL DLIKKAQPVG FLTVDLHVWP DFHGNRSPLA DLTGKGMVTG LKLSQDLDDL</p> <p>AILYLATVQA IALGTRFIE AMEAAGHSIS TLFLCGGLSK NPLFVQMHAD ITGMPVVLSSQ</p> <p>EVESVLVGAA VLGACASGDF ASVQEAMAKM SKVGKVVFPRLQDKKYYDKK YQVFLKLVEH</p> <p>QKEYLAIMND D <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make</b></p>

**another tag necessary. In case you have a special request, please contact us.**

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

### Grade:

custom-made

## Target Details

### Target:

FGGY

### Alternative Name:

FGGY ([FGGY Products](#))

### Background:

FGGY carbohydrate kinase domain-containing protein (D-ribulokinase FGGY) (EC 2.7.1.47), FUNCTION: Catalyzes ATP-dependent phosphorylation of D-ribulose at C-5 to form D-ribulose 5-phosphate. Postulated to function in a metabolite repair mechanism by preventing toxic accumulation of free D-ribulose formed by non-specific phosphatase activities. Alternatively, may play a role in regulating D-ribulose 5-phosphate recycling in the pentose phosphate pathway. Can phosphorylate ribitol with low efficiency. {ECO:0000269|PubMed:27909055}.

### Molecular Weight:

60.0 kDa

### UniProt:

[Q96C11](#)

## Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months