

## Datasheet for ABIN7551345

### RFNG Protein (AA 1-331) (His tag)



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#### Overview

Quantity:	1 mg
Target:	RFNG
Protein Characteristics:	AA 1-331
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RFNG protein is labelled with His tag.

#### Product Details

Purpose:	Custom-made recombinant RFNG Protein expressed in mammalian cells.
Sequence:	<p>MSRARGALCR ACLALAAALA ALLLLPLPLP RAPAPARTPA PAPRAPPSRP AAPSLRPDDV</p> <p>FIAVKTRRKN HGPRRLRRLLR TWISRARQQT FIFTDGGDDPE LELQGGDRVI NTNCSAVRTR</p> <p>QALCCKMSVE YDKFIESGRK WFCHVDDDDNY VNARSLHLH SSFSPSQDVY LGRPSLDHPI</p> <p>EATERVQGGGR TVTTVKFWFA TGGAGFCLSR GLALKMSPWA SLGSFMSTAE QVRLPDDCTV</p> <p>GYIVEGLLLGA RLLHSPLFHS HLENLQRLPP DTLLQQVTLS HGGPENPHNV VNVAGGFSLLH</p> <p>QDPTRFKSIH CLLYPDTDWC PRQKQGAPTS R <b>Sequence without tag. The proposed</b></p> <p><b>Purification-Tag is based on experiences with the expression system, a different complexity</b></p> <p><b>of the protein could make another tag necessary. In case you have a special request, please</b></p> <p><b>contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

## Product Details

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- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

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Target:	RFNG
Alternative Name:	RFNG ( <a href="#">RFNG Products</a> )
Background:	Beta-1,3-N-acetylglucosaminyltransferase radical fringe (EC 2.4.1.222) (O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase),FUNCTION: Glycosyltransferase that initiates the elongation of O-linked fucose residues attached to EGF-like repeats in the extracellular domain of Notch molecules. Modulates NOTCH1 activity by modifying O-fucose residues at specific EGF-like domains resulting in enhancement of NOTCH1 activation by DLL1 and JAG1. May be involved in limb formation and in neurogenesis. {ECO:0000250 UniProtKB:O09009, ECO:0000250 UniProtKB:O12972, ECO:0000250 UniProtKB:Q9R1U9}.
Molecular Weight:	36.4 kDa
UniProt:	<a href="#">Q9Y644</a>
Pathways:	<a href="#">Notch Signaling</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for
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Application Details

	functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

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