Datasheet for ABIN1511666

# LFNG Protein (AA 1-375) (His tag)

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## Overview

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| Quantity: | 1 mg |
| Target: | LFNG |
| Protein Characteristics: | AA 1-375 |
| Origin: | Xenopus laevis |
| Source: | Yeast |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This LFNG protein is labelled with His tag. |
| Application: | ELISA |

## Product Details

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| Sequence: | MLKNWGKKLL LSIVGATLTC LLVLVVDQQS RHMLETQSDH EPGSAAAVHL RADLDPANPG DGGDPANSAQ DSGTFSAYFN KLTRVRRDVE QVAAPSKDSA APEEDITAND VFIAVKTTKK FHRSRMDLLM DTWISRNKEQ TFIFTDGEDE ELQKKTGNVI STNCSAAHSR QALSCKMAVE YDKFIESDKK WFCHVDDDNY VNVRTLVKLL SRYSHTNDIY IGKPSLDRPI QATERISESN MRPVNFWFAT GGAGFCISRG LALKMSPWAS GGHFMNTAEK IRLPDDCTIG YIIESVLGVK LIRSNLFHSH LENLHQVPQS EIHNQVTLSY GMFENKRNAI LMKGAFSVEE DPSRFRSVHC LLYPDTPWCP WKAAY |
| Specificity: | Xenopus laevis (African clawed frog) |
| Characteristics: | Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time. |
| Purity: | > 90 % |

## Target Details

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| Target: | LFNG |
| Alternative Name: | Beta-1,3-N-acetylglucosaminyltransferase lunatic fringe (lfng) (LFNG Products) |
| Background: | Recommended name: Beta-1,3-N-acetylglucosaminyltransferase lunatic fringe.<br>EC= 2.4.1.222.<br>Alternative name(s): O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase |
| UniProt: | P79948 |
| Pathways: | Notch Signaling |

## Application Details

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| Comment: | The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Lyophilized |
| Concentration: | 0.2-2 mg/mL |
| Buffer: | Tris-based buffer, 50 % glycerol |
| Handling Advice: | Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C. |