

# Recombinant Human LFNG

Catalog No: #GP13565



Package Size: #GP13565-1 100ug

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## Description

Product Name	Recombinant Human LFNG
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 145-379 amino acids of human LFNG
Target Name	LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase
Other Names	SCDO3
Accession No.	Swissprot:Q8NES3Gene Accession:BC014851
Uniprot	Q8NES3
GeneID	3955;
Storage	-20~-80°C, pH 7.6 PBS

## Background

This gene is a member of the glycosyltransferase 31 gene family. Members of this gene family, which also includes the MFNG (GeneID: 4242) and RFNG (GeneID: 5986) genes, encode evolutionarily conserved glycosyltransferases that act in the Notch signaling pathway to define boundaries during embryonic development. While their genomic structure is distinct from other glycosyltransferases, these proteins have a fucose-specific beta-1,3-N-acetylglucosaminyltransferase activity that leads to elongation of O-linked fucose residues on Notch, which alters Notch signaling. The protein encoded by this gene is predicted to be a single-pass type II Golgi membrane protein but it may also be secreted and proteolytically processed like the related proteins in mouse and *Drosophila* (PMID: 9187150). Mutations in this gene have been associated with autosomal recessive spondylocostal dysostosis 3.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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