

Recombinant Human LFNG cell lysate

Cat. No. LFNG-983HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	This gene encodes a member of the glycosyltransferase superfamily. The encoded protein is a single-pass type II Golgi membrane protein that functions as a fucose-specific glycosyltransferase, adding an N-acetylglucosamine to the fucose residue of a group of signaling receptors involved in regulating cell fate decisions during development. Mutations in this gene have been associated with autosomal recessive spondylocostal dysostosis 3. Alternatively spliced transcript variants that encode different isoforms have been described, however, not all variants have been fully characterized.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	LFNG LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase [Homo sapiens]
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Official Symbol	LFNG
Synonyms	LFNG; LFNG O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase; lunatic fringe (Drosophila) homolog , lunatic fringe homolog (Drosophila); beta-1,3-N-acetylglucosaminyltransferase lunatic fringe; SCDO3;
Gene ID	3955
mRNA Refseq	NM_001040167
Protein Refseq	NP_001035257
MIM	602576
UniProt ID	Q8NES3
Chromosome Location	7p22.3
Pathway	Delta-Notch Signaling Pathway, organism-specific biosystem; Notch signaling pathway, organism-specific biosystem; Notch signaling pathway, conserved biosystem; Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem; Pre-NOTCH Expression and Processing, organism-specific biosystem; Pre-NOTCH Processing in Golgi, organism-specific biosystem;
Function	O-fucosylpeptide 3-beta-N-acetylglucosaminyltransferase activity; molecular_function; transferase activity, transferring glycosyl groups;

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