

Recombinant Human POFUT2 293 Cell Lysate

Cat. No. POFUT2-3056HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein O-fucosyltransferase 2 (POFUT2), transcript variant 3 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

POFUT2 protein O-fucosyltransferase 2 [Homo sapiens]

Official Symbol

POFUT2

Synonyms

POFUT2; protein O-fucosyltransferase 2; C21orf80, chromosome 21 open reading frame 80; GDP-fucose protein O-fucosyltransferase 2; FUT13; KIAA0958; O-FucT-2; peptide-O-fucosyltransferase 2; C21orf80;

Gene ID

23275

mRNA Refseq

NM_015227

Protein Refseq

NP_056042

MIM

610249

UniProt ID

Q9Y2G5

Chromosome Location

21q22.3

Pathway

Other types of O-glycan biosynthesis, organism-specific biosystem; Other types of O-glycan biosynthesis, conserved biosystem;

Function

peptide-O-fucosyltransferase activity; transferase activity, transferring glycosyl

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