

## Product datasheet for PH309505

### POFUT2 (NM\_133635) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	POFUT2 MS Standard C13 and N15-labeled recombinant protein (NP_598368)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209505
Predicted MW:	50 kDa
Protein Sequence:	>RC209505 protein sequence Red=Cloning site Green=Tags(s)

MATLSFVFLLLGAVSWPPASASGQEFWPGQSAADILSGAASRRRYLLYDVPPEGFNLRDYYIRIASLL  
KTLKTEEWVLVLPWGRLYHWQSPDIHQVRIPWSEFFDLPSLNKNIPVIEYEQFIAESGGPFIDQYVVL  
QSYAEGWKEGTWEEKVDERPCIDQLLYSQDKHEYRGWFWGYEETRGLNVSCLSVQGSASIVAPLLLRLNT  
SARSVMLDRAENLLHDHYGGKEYWDRRSMVFARHLREVGDEFRRSRLNSTDDADRIPFQEDWMKMKVKL  
GSALGGPYLGVHLRRKDFIWGHRQDVPSLEGAVRKIRSLMKTHRLDKVVFATDAVRKEYEELKLLPEMV  
RFEPTWEELELYKGGVAIIDQWICAHARFFIGTSVSTFSFRIHEEREILGLDPKTTYNRF CGDQEKACE  
QPTHWKITY

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_598368</u>
RefSeq Size:	2878
RefSeq ORF:	1287
Synonyms:	C21orf80; FUT13



[View online »](#)

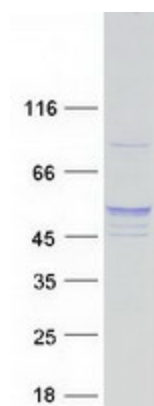
Locus ID: 23275

UniProt ID: [Q9Y2G5](#)

Cytogenetics: 21q22.3

**Summary:** Fucose is typically found as a terminal modification of branched chain glycoconjugates, but it also exists in direct O-linkage to serine or threonine residues within cystine knot motifs in epidermal growth factor (EGF; MIM 131530)-like repeats or thrombospondin (THBS; see MIM 188060) type-1 repeats. POFUT2 is an O-fucosyltransferase that use THBS type-1 repeats as substrates (Luo et al., 2006 [PubMed 16464857]).[supplied by OMIM, Mar 2008]

### Product images:



Coomassie blue staining of purified POFUT2 protein (Cat# [TP309505]). The protein was produced from HEK293T cells transfected with POFUT2 cDNA clone (Cat# [RC209505]) using MegaTran 2.0 (Cat# [TT210002]).