

## Product datasheet for PH302043

### Glycogenin 2 (GYG2) (NM\_001079855) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GYG2 MS Standard C13 and N15-labeled recombinant protein (NP_001073324)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202043
Predicted MW:	52 kDa
Protein Sequence:	>RC202043 protein sequence Red=Cloning site Green=Tags(s)

MSVTDQAFVTLATNDIYCQ GALVLGQSLRRHRLTRKLVVLIITPQVSSLLRVILSKVFDEIVENLIDSAD  
YIHLAFLKRPELGLTLTKLHCWTLTHYSKCVFLDADTLVLSNVDELFD RGEFSAAPDPGWPCFNSGVFV  
FQPSLHTHKLLLQHAMEHGSFDGADQGLLNSFFRNWSTTDIHKHLPFIYNLSSNTMYTYSFAFKQFGSSA  
KVVFHFLGSMKPWNYKYNPQSGSVLEQGSVSSSQHQA AFLHLWWTVYQNNVLPYKSVQAGEARASPGHTL  
CRSDVGGPCADSASGVGEP CENSTPSAGVPCANSPLGSNQPAQGLPEPTQIVDETLSP EGRRSEDMIAC  
PETETPAVITCDPLSQSPQPADFTETETILQPANKVESVSSEETF EPSQELPAEALRDP SLQDALEV DL  
AVSVSQISIEEKVKELSP EEEERRKWE EGRIDYMGKDAFARIQEKLDRFLQ

SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<a href="#">NP_001073324</a>
RefSeq Size:	3318
RefSeq ORF:	1410
Synonyms:	GN-2; GN2

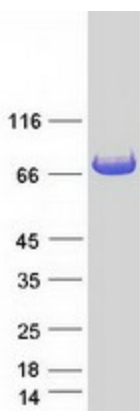


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Locus ID: 8908  
UniProt ID: [O15488](#)  
Cytogenetics: Xp22.33

**Summary:** This gene encodes a member of the the glycogenin family. Glycogenin is a self-glucosylating protein involved in the initiation reactions of glycogen biosynthesis. A gene on chromosome 3 encodes the muscle glycogenin and this X-linked gene encodes the glycogenin mainly present in liver; both are involved in blood glucose homeostasis. This gene has a short version on chromosome Y, which is 3' truncated and can not make a functional protein. Multiple alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, May 2010]

### Product images:



Coomassie blue staining of purified GYG2 protein (Cat# [TP302043]). The protein was produced from HEK293T cells transfected with GYG2 cDNA clone (Cat# [RC202043]) using MegaTran 2.0 (Cat# [TT210002]).