

## Product datasheet for PH301236

### GBP1 (NM\_002053) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	GBP1 MS Standard C13 and N15-labeled recombinant protein (NP_002044)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201236
Predicted MW:	67.9 kDa
Protein Sequence:	>RC201236 protein sequence Red=Cloning site Green=Tags(s)

MASEIHMTGPMCLIENGRMLMANPEALKILSAITQPMVVVAIVGLYRTGKSYLMNKLAKKKKGFSLGST  
VQSHTKGIWMCVPHPKKPGHILVLLDTEGLGDVEKGDNDQNSWIFALAVLLSSTFVYNSIGTINQQAMD  
QLYYVTELTTHRIRSKSSPDENENEVEDSADFVSFFPDFVWTLRDFSLDLEADGQPLTPDEYLTYSKLLKK  
GTSQKDETFNLPRLCIRKFFPKKCFVDRPVHRRKLAQLEKLQDELDPEFVQQVADFCYSYIFSNKTK  
TLSSGIQVNGPRLVLTYYVNAISSGDLPCMENAVLALAQIENSAAVQKAI AHYEQQMGQKVLPTESL  
QELLDLHRDSEREATIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCQKQNEASSDRCSGLLQVIFSPLEE  
EVKAGIYSKPGGYRLFVQKQLDLKKKYYEPRKGIQAEELQTYLKSKESTDAIQLDQTLTEKEKEIE  
VERVKAESAQASAKMLQEMQRKNEQMMEQKERSYQEHLKQLTEKMENDRVQLLKEQERTLALKLQEQEQL  
LKEGFQKESRIMKNEIQDLQTKMRRRKACTIS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

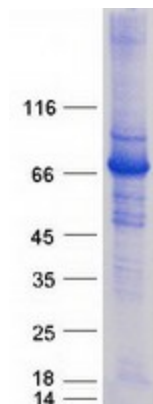
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_002044</a>
RefSeq Size:	3050
RefSeq ORF:	1776



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Locus ID:	2633
UniProt ID:	<a href="#">P32455</a>
Cytogenetics:	1p22.2
Summary:	Guanylate binding protein expression is induced by interferon. Guanylate binding proteins are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP) and are distinguished from the GTP-binding proteins by the presence of 2 binding motifs rather than 3. [provided by RefSeq, Jul 2008]

### Product images:



Coomassie blue staining of purified GBP1 protein (Cat# [TP301236]). The protein was produced from HEK293T cells transfected with GBP1 cDNA clone (Cat# [RC201236]) using MegaTran 2.0 (Cat# [TT210002]).