

Product datasheet for **TP301236**

GBP1 (NM_002053) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human guanylate binding protein 1, interferon-inducible, 67kDa (GBP1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC201236 protein sequence
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MASEIHMTGPMCLIENTNGRLMANPEALKILSAITQPMVVAIVGLYRTGKSYLMNKLAKKKGFSLGST
VQSHTKGIWMWCVPHPKPGHILVLLDTEGLGDVEKGDNDQNDWIFALAVLLSSTFVYNSIGTINQQAMD
QLYYVTELTTHRIRSKSSPDENENEVEDSADVFVDFVWTLRDFSLDLEADGQPLTPDEYLTYSKLLKK
GTSQKDETFNLPRLCIRKFFPKKCFVDRPVHRRKLAQLEKLQDEELDPEFVQQVADFCSYIFNSKTK
TLSSGIQVNGPRLESLVLTYNVAISSGDLPCMENAVLALAQIENSAAVQKAIHAYEQMGQKVQLPTESL
QELDLHRDSEREAIEVFIRSSFKDVDHLFQKELAAQLEKKRDDFCQKQNEASSDRCSGLLQVIFSPLEE
EVKAGIYSKPGGYRLFVQKLQDLKKKYEEPRKGIQAEIILQTYLKSSESMTDAILQTDQTLTEKEKEIE
VERVKAESAQASAKMLQEMQRKNEQMMEQKERSYQEHKQLTEKMENDRVQLLKEQERTLALKLQEQEQL
LKEGFQKESRIMKNEIQDLQTKMRRRKACTIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

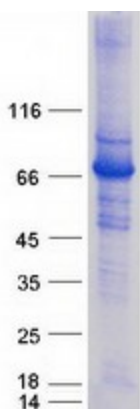
Tag:	C-Myc/DDK
Predicted MW:	67.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002044
Locus ID:	2633
UniProt ID:	P32455
RefSeq Size:	3050
Cytogenetics:	1p22.2
RefSeq ORF:	1776
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]).