

# Recombinant Human GTPBP1 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** GTPBP1-4436H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GTPBP1 MS Standard C13 and N15-labeled recombinant protein (NP_004277) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | This gene is upregulated by interferon-gamma and encodes a protein that is a member of the AGP11/GTPBP1 family of GTP-binding proteins. A structurally similar protein has been found in mouse, where disruption of the gene for that protein had no observable phenotype.                                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | 72.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | MATERSRSAMDSPVPASMFAPESPSPGAARAAAAAARLHGGFSDSCSEEDGEALNG<br>EPELDLTSLKLVLSPTSEQYDSLRLQMWERMDEGCGETIYVIGQSGDGTEYGLSEA<br>DMEASYATVKSMAEQIEADVILLRERQEAGGRVRDYLVRKRVGDNDFLEVRVAVVG<br>NVDAGKSTLLGVLTHGELDNGRGFARQKLFRHKHEIESGRTSSVGNDILGFDSEGN<br>VVNKPDSHGGSLWTKICEKSTKVITFIDLAGHEKYLKTTVFGMTGHLPDFCMLMVG<br>SNAGIVGMTKEHLGLALALNVPVFVVTKIDMCPANILQETLKLRLKSPGCRKIPV<br>LVQSKDDVIVTASNFSSERMCPFIQISNVTGENLDLLKMFLNLLSPRTSYREEEPAEF<br>QIDDTYSVPGVGTVVSGTTLRGLIKLNDTLLLGPDLGNFLSIIVKSIHRKRMPVKEV<br>RGGQTASFALKKIKRSSIRKGMVMVSPRLNPQASWEFEAEILVLHHPTTISPRYQAM |

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VHCGSIRQTATILSMDKDCLRTGDKATVHFRFIKTPEYLHIDQRLVFREGRTKAVGTIT  
KLLQTTNNSPMNSKPQQIKMQSTKKGPLTKRDEGGPSGGPAVGAPPPGDEASSVG  
AGQPAASSNLQPQPKPSSGGRRRGQRHKVKSQGACVTPASGCTRTRPLEQKLIS  
EEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** GTPBP1 GTP binding protein 1 [ Homo sapiens (human) ]

**Official Symbol** GTPBP1

**Synonyms** GTPBP1; GTP binding protein 1; GTP-binding protein 1; GP 1; HSPC018; G-protein 1; GP1; GP-1; MGC20069;

**Gene ID** 9567

**mRNA Refseq** NM\_004286

**Protein Refseq** NP\_004277

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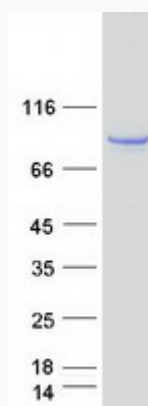
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MIM 602245

UniProt ID O00178

SDS-PAGE



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