

Recombinant Human GTPBP4 Protein, GST-tagged

Cat. No. GTPBP4-4474H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GTPBP4 full-length ORF (NP_036473.2, 1 a.a. - 634 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	<p>GTP-binding proteins are GTPases and function as molecular switches that can flip between two states: active, when GTP is bound, and inactive, when GDP is bound. Active in this context usually means that the molecule acts as a signal to trigger other events in the cell. When an extracellular ligand binds to a G-protein-linked receptor, the receptor changes its conformation and switches on the trimeric G proteins that associate with it by causing them to eject their GDP and replace it with GTP. The switch is turned off when the G protein hydrolyzes its own bound GTP, converting it back to GDP. But before that occurs, the active protein has an opportunity to diffuse away from the receptor and deliver its message for a prolonged period to its downstream target. [provided by RefSeq]</p>
Molecular Mass	100.4 kDa
AA Sequence	<p>MAHYNFKKITVVPSAKDFIDLTLSTQQRKTPTVIHKHYQIHRIRHFYMRKVKFTQQNY HDRLSQILTDFPKLDDIHPFYADLMNILYDKDHYKLALGQINIKNLVDNVAKDYVRLM KYGDSLYRCKQLKRAALGRMCTVIKRQKQSLEYLEQVRQHL SRLPTIDPNTRTL LLLC GYPNVGKSSFINKVTRADVVDVQPYAFTTKSLFVGHMDYKYLRWQVVDTPGILDHPL</p>

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EDRNTIEMQAITALAHLRAAVLYVMDLSEQCGHGLREQLELFQNIRPLFINKPLIVVAN
 KCDVKRIAELSEDDQKIFTDLQSEGFPVIETSTLTEEGVIKVKTEACDRLLAHRVETKM
 KGNKVNEVLNRLHLAIPTRRDDKERPPFIPEGVVARRKRMETTESRKKRERDLELEM
 GDDYILDQKYWDLMNLSEKHDKIPEIWEGHNIADYIDPAIMKKLEELEKEEELRTAA
 GEYDSVSESEDEEMLEIRQLAKQIREKKKLKILESKEKNTQGPRMPRTAKKVQRTVL
 EKEMRSLGVDMDKDDAHYAVQARRSRSITRKRKREDSAPPSSVARSGSCSRTPR
 DVSGLRDVKMVKKAKTMMKNAQKKMNRLGKKGEADRHVFDMPKPKHLLSGKRKAG
 KKDRR

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

GTPBP4 GTP binding protein 4 [Homo sapiens]

Official Symbol

GTPBP4

Synonyms

GTPBP4; GTP binding protein 4; nucleolar GTP-binding protein 1; GTP binding protein; CRFG; FLJ10686; FLJ10690; G protein binding protein CRFG; NGB; NOG1; GTP-binding protein NGB; G protein-binding protein CRFG; chronic renal failure gene protein; FLJ39774;

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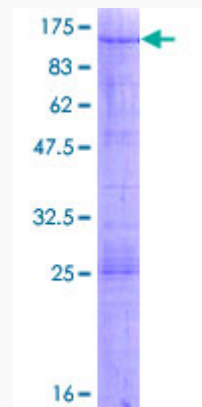
Gene ID 23560

mRNA Refseq NM_012341

Protein Refseq NP_036473

UniProt ID Q9BZE4

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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