

Recombinant Human GAB2 Protein, GST-tagged

Cat. No. GAB2-4620H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human GAB2 full-length ORF (NP_536739.1, 1 a.a. - 676 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the GRB2-associated binding protein (GAB) gene family and is similar to the GAB1 gene. These proteins contain pleckstrin homology (PH) domain, and bind SHP2 tyrosine phosphatase and GRB2 adapter protein. They act as adapters for transmitting various signals in response to stimuli through cytokine and growth factor receptors, and T- and B-cell antigen receptors. The protein encoded by this gene is the principal activator of phosphatidylinositol-3 kinase in response to activation of the high affinity IgE receptor. Two alternatively spliced transcripts encoding different isoforms have been described for this gene. [provided by RefSeq]
Molecular Mass	100.9 kDa
AA Sequence	MSGGGDVVCTGWLKSPPEKKLRRYAWKKRWFILRSGRMSGDPDVLEYKNDHS KKPLRIINLNFCEQVDAGLTFNKKELQDSFVFDIKTSEFTFYLVAEETEEDMNKWWQSI CQICGFNQAEESTDSLNRNVSSAGHGPRSSPAELSSSSQHLLRERKSSAPSHSSQPT LFTFEPPVSNHMQPTLSTSAPQEYLYLHQCSIRRAENARSASFSGGTRASFLMRSD TAVQKLAQGNGHCVNGISGQVHGFYSLPKPSRHNTFRDSTYDLPRSLASHGHTK

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GSLTGSETDNEDVYTFKTPSNTLCREFGDLLVDNMDVPATPLSAYQIPRTFTLDKNH
 NAMTVATPGDSAIAAPPRPPKPSQAETPRWGSPQQRPPISENSRSVAATIPRRNTLP
 AMDNSRLHRASSCETYEYPQRGGESAGRSAESMSDGVGSFLPGKMIVGRSDSTNS
 EDNYVPMNPGSSTLLAMERAGDNSQSVYIPMSPGAHHFDSLGYPTTLPVHRGPS
 RGSEIQPPPVNRNLKPDRKAKPTPLDLRNNTVIDELPFKSPITKSWSRANHTFNSSS
 SQYCRPISTQSITSTDSGDSEENYVPMQNPVSASPVPSGTNSPAPKKSTGSVDYLAL
 DFQPSSPSPHRKPSTSSVTSDEKVDYVQVDKEKTQALQNTMQEWTDVRQSSEPSK
 GAKL

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 -80 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

GAB2 GRB2-associated binding protein 2 [Homo sapiens]

Official Symbol

GAB2

Synonyms

GAB2; GRB2-associated binding protein 2; GRB2-associated-binding protein 2; Grb2 associated binder 2; KIAA0571; pp100; Grb2-associated binder 2; growth factor receptor bound protein 2-associated protein 2;

Gene ID

9846

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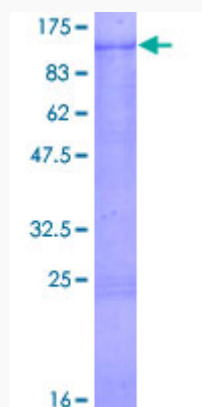
mRNA Refseq NM_012296

Protein Refseq NP_036428

MIM 606203

UniProt ID Q9UQC2

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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