

# Recombinant Full Length Human GAB2 Protein, GST-tagged

**Cat. No.** GAB2-5131HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human GAB2 full-length ORF ( NP_536739.1, 1 a.a. - 676 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 676 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Description</b>      | 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] |
| <b>Molecular Mass</b>   | 100.9 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>AA Sequence</b>      | MSGGGDVVCTGWLKSPPEKKLRRYAWKKRWFILRSGRMSGDPDVLEYKNDHS<br>KKPLRIINLNFCEQVDAGLTFNKKELQDSFVFDIKTSERTFYLVAEETEEDMNKWWQSI<br>CQICGFNQAEESTDSLNRNVSSAGHGPRSSPAELSSSSQHLLRERKSSAPSHSSQPT<br>LFTFEPPVSNHMQPTLSTSAPQEYLYLHQCSIRRAENARSASFSGQTRASFLMRSD                                                                                                                                                                                                                                                                                                                                                                                                                                             |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TAVQKLAQGNGHCVNGISGQVHGFYSLPKPSRHNTTEFRDSTYDLPRSLASHGHTK  
 GSLTGSETDNEDVYTFKTPSNTLCREFGDLLVDNMDVPATPLSAYQIPRTFTLDKNH  
 NAMTVATPGDSAIAPPPRPPKPSQAETPRWGSPQQRPPISENSRSVAATIPRRNTLP  
 AMDNSRLHRASSCETYEYPQRGGESAGRSAESMSDGVGSFLPGKMIVGRSDSTNS  
 EDNYVPMNPGSSTLLAMERAGDNSQSVYIPMSPGAHHFDSLGYPTTLPVHRGPS  
 RGSEIQPPPVNRLKPDRKAKPTPLDLRNNTVIDELPFKSPITKSWSRANHTFNSSS  
 SQYCRPISTQSITSTDGSGDSEENYVPMQNPVSASPVPSGTNSPAPKKSTGSVDYLAL  
 DFQPSSPSPHRKPTSSVTSDEKVDYVQVDKEKTQALQNTMQEWTDVRQSSEPSK  
 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;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                |           |
|----------------|-----------|
| Gene ID        | 9846      |
| mRNA Refseq    | NM_012296 |
| Protein Refseq | NP_036428 |
| MIM            | 606203    |
| UniProt ID     | Q9UQC2    |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA