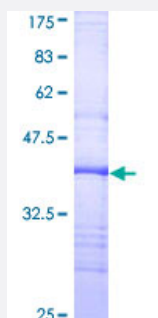


# FCGR2B (Human) Recombinant Protein (Q01)

Catalog # H00002213-Q01

Size 25 ug, 10 ug

## Applications



## Specification

|                                |                                                                                                                    |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b>     | Human FCGR2B partial ORF ( AAH31992, 45 a.a. - 154 a.a.) recombinant protein with GST-tag at N-terminal.           |
| <b>Sequence</b>                | AAPPKAVLKLEPQWINVLQEDSVTLTCRGTHSPESDSIQWFHNGNLIPTHTQPSYRFKANNNDSG<br>EYTCQTGGTSLSDPVHLTVLSEWLVLQTPHLEFQEGETIVVRCHS |
| <b>Host</b>                    | Wheat Germ (in vitro)                                                                                              |
| <b>Theoretical MW (kDa)</b>    | 37.84                                                                                                              |
| <b>Preparation Method</b>      | <a href="#">in vitro wheat germ expression system</a>                                                              |
| <b>Purification</b>            | Glutathione Sepharose 4 Fast Flow                                                                                  |
| <b>Quality Control Testing</b> | 12.5% SDS-PAGE Stained with Coomassie Blue.                                                                        |
| <b>Storage Buffer</b>          | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                           |
| <b>Storage Instruction</b>     | Store at -80°C. Aliquot to avoid repeated freezing and thawing.                                                    |
| <b>Note</b>                    | Best use within three months from the date of receipt of this protein.                                             |

## Applications

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

## Gene Info — FCGR2B

|                     |                                                                                                                                                     |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Entrez GeneID       | <a href="#">2213</a>                                                                                                                                |
| GeneBank Accession# | <a href="#">BC031992</a>                                                                                                                            |
| Protein Accession#  | <a href="#">AAH31992</a>                                                                                                                            |
| Gene Name           | FCGR2B                                                                                                                                              |
| Gene Alias          | CD32, CD32B, FCG2, FCGR2, IGFR2                                                                                                                     |
| Gene Description    | Fc fragment of IgG, low affinity IIb, receptor (CD32)                                                                                               |
| Omim ID             | <a href="#">152700</a> <a href="#">604590</a> <a href="#">611162</a>                                                                                |
| Gene Ontology       | <a href="#">Hyperlink</a>                                                                                                                           |
| Gene Summary        | low affinity IIb                                                                                                                                    |
| Other Designations  | Fc fragment of IgG, low affinity II, receptor for (CD32) Fc fragment of IgG, low affinity IIb, receptor f or (CD32) Fc gamma RIb OTTHUMP00000032379 |

## Publication Reference

- [Discovery and characterization of a peptide motif that specifically recognizes a non-native conformation of human IGG induced by acidic ph conditions.](#)  
Sakamoto K, Ito Y, Hatanaka T, Soni PB, Mori T, Sugimura K.  
The Journal of Biological Chemistry 2009 Apr; 284(15):9986.  
Application: Func, Receptor

## Pathway

- [B cell receptor signaling pathway](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Systemic lupus erythematosus](#)

## Disease

- [Anti-Glomerular Basement Membrane Disease](#)
- [Arthritis](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Chronic Periodontitis](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Glomerulonephritis](#)
- [Hepatitis](#)
- [Lichen Planus](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Malaria](#)
- [Meningococcal Infections](#)
- [Pemphigoid](#)
- [Periapical Periodontitis](#)
- [Periodontitis](#)
- [Pneumococcal Infections](#)
- [Purpura](#)

- [Recurrence](#)
- [Thrombocytopenia](#)
- [Vasculitis](#)