

## IgG2 Active Protein | IGHG2 active protein

IgG2 Protein, Human, Recombinant (257 Ser/Ala)

CATALOG #  
**AAA258022**

HOST  
**HEK293 Cells**

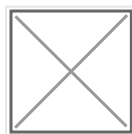
### PRODUCT SYNONYMS

IgG2; IgG2 Protein; Human; Recombinant (257 Ser/Ala); Human IgG2-Fc Protein (257 Ser/Ala); Immunoglobulin heavy constant gamma 2; IGHG2 active protein

### PRODUCT SPECIFICATIONS

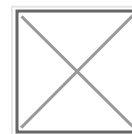
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | HEK293 Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Purity/Purification     | >90% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Form/Format             | Lyophilized from sterile PBS, pH7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.                                                                                                                                                                                                                                                                                               |
| Sequence                | Glu99-Lys3 27,257Ser/ Ala                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Species                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Endotoxin               | <1.0EU per ug of the protein as determined by the LAL method                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Predicted N Terminal    | Glu 99                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tag                     | Native                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protein Construction    | A DNA sequence encoding the human IgG2 Fc region (P01859)(Glu 99-Lys 327, 257Ser/Ala) was expressed and purified.                                                                                                                                                                                                                                                                                                                                                                                                |
| Reconstitution          | A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.                                                                                                                                                                                                                                                                                                                                                                                  |
| Activity                | Measured by its ability to bind human CD32a-His in a functional ELISA.                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Preparation and Storage | <p>Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <p>In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice.</p> |

### IMAGES



#### Application Data

Measured by its ability to bind human CD32a-His in a functional ELISA.



#### SDS-PAGE

### NCBI AND UNIPROT INFORMATION

|             |           |
|-------------|-----------|
| NCBI GI #   | 218512079 |
| NCBI GeneID | 3501      |

|                                  |                                                    |
|----------------------------------|----------------------------------------------------|
| UniProt Accession #              | P01859; A6NE66                                     |
| Molecular Weight                 | 150,000                                            |
| NCBI Official Full Name          | Ig gamma-2 chain C region                          |
| NCBI Official Synonym Full Names | immunoglobulin heavy constant gamma 2 (G2m marker) |
| NCBI Official Symbol             | IGHG2                                              |
| UniProt Protein Name             | Ig gamma-2 chain C region                          |
| UniProt Gene Name                | IGHG2                                              |
| UniProt Entry Name               | IGHG2_HUMAN                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/hek293-cells-ighg2-active-protein/igg2/258022>