

# Recombinant Human B2M Protein, C-6His-Avi tagged, Biotinylated

**Cat. No.** B2M-27H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Biotinylated Recombinant Human IgG Fc fragment receptor transporter is produced by our Mammalian expression system and the target gene encoding Ala24-Ser297&Ile21-Met119 is expressed with a 6His, Avitag at the C-terminus.                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Ala24-Ser297&Ile21-Met119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | FcRn complex consist of two subunits: IgG receptor FcRn large subunit p51 (alpha chain) and Beta-2-microglobulin (beta chain). The complex is similar in structure to MHC class I-like heterodimer. Beta-2-microglobulin involved in the presentation of peptide antigens to the immune system. FcRn binds to the Fc region of monomeric immunoglobulins gamma, mediates the uptake of IgG from milk, Possible role in transfer of immunoglobulin G from mother to fetus. A principal component of antibody transport is the neonatal receptor for the Fc portion of immunoglobulin, a heterodimer of a MHC-1 alpha-chain homolog (FcRn) and beta-2-microglobulin (B2M). |
| <b>Endotoxin</b>        | Less than 0.1 ng/μg (1 EU/μg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Storage Buffer</b>   | Lyophilized from a 0.2 μm filtered solution of 50mM HEPES, 150mM NaCl, pH 7.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Shipping</b>         | Ambient                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

 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

Conjugation Biotin

## GENE INFORMATION

|                 |                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------|
| Gene Name       | B2M beta-2-microglobulin [ Homo sapiens (human) ]                                                        |
| Official Symbol | B2M                                                                                                      |
| Synonyms        | B2M; beta-2-microglobulin; beta-2-microglobulin; beta chain of MHC class I molecules; beta-2-microglobin |
| Gene ID         | 567                                                                                                      |
| mRNA Refseq     | NM_004048                                                                                                |
| Protein Refseq  | NP_004039                                                                                                |
| MIM             | 109700                                                                                                   |
| UniProt ID      | P61769                                                                                                   |

 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