

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

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	Human Cells
ProteinLength	Ala24-Ser297&Ile21-Met119
Description	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).
Endotoxin	Less than 0.1 ng/μg (1 EU/μg)
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of 50mM HEPES, 150mM NaCl, pH 7.4.
Shipping	Ambient

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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

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