Native Human Beta-2-Microglobulin

Cat. No. B2M-5366H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human B2M was expressed in Human plasma.
Species	Human
Source	Human Urine
Description	HumanB2M produced in Human urine from patients with tubular proteinuria has aMW=12 kDa and p1 of 5.6. Human Beta 2 microglobulin levels can rise eitherbecause its rate of synthesis has increased (e.g. in AIDS, malignantmonoclonal plasma cell dyscrasia, solid tumors and autoimmune disease) orbecause of impaired renal filtration (e.g. due to renal insufficiency, graftrejection or nephrotoxicity induced by post-transplantation immunosuppressivetherapy).
Form	Sterile filtered andthen lyophilized from 0.02M NHQHCO3.
Purity	≥98.0%
Storage	Human B2M althoughstable at room temperature for 3 weeks, should be stored between 2-4°C.
Reconstitution	Centrifuge vialprior to opening. Reconstitute the lyophilized protein in phosphate buffer pH 7.0 containing 0.15 M NaCI.

GENE INFORMATION

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Gene Name	B2M beta-2-microglobulin [Homo sapiens]
Official Symbol	B2M
Synonyms	B2M; beta-2-microglobulin; beta-2-microglobin; beta chain of MHC class I molecules;
Gene ID	567
mRNA Refseq	NM_004048
Protein Refseq	NP_004039
MIM	109700
UniProt ID	P61769
Chromosome Location	15q21-q22.2
Pathway	Adaptive Immune System, organism-specific biosystem; Amyloids, organism-specific biosystem; Antigen Presentation: Folding, assembly and peptide loading of class I MHC, organism-specific biosystem; Antigen processing and presentation, organism-specific biosystem; Antigen processing and presentation, conserved biosystem; Antigen processing-Cross presentation, organism-specific biosystem; Class I MHC mediated antigen processing and
Function	protein binding;

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA