

Recombinant Human Beta-2-microglobulin

Cat. No. B2M-81H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human beta-2-microglobulin produced in <i>E. Coli</i> is a non-glycosylated polypeptide chain having a molecular mass of 11.76kDa. The rHuB2M is purified by proprietary chromatographic techniques.
Species	Human
Source	E.coli
Description	Beta-2-microglobulin is a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells.
Physical Appearance	Sterile Filtered clear solution.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained.
Formulation	The sterile solution (1.1mg/ml) contains phosphate-buffered saline (pH 7.4) and 0.05% NaN ₃ .
Dimers And Aggregates	Less than 1% as determined by silver stained SDS-PAGE gel analysis.
Endotoxin	The endotoxin is less than 0.1 ng/g of rHuB2M.

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Storage

The rHuB2M although stable at 4°C for 3 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

GENE INFORMATION
Gene Name

B2M beta-2-microglobulin [Homo sapiens]

Synonyms

B2M; beta-2-microglobulin; Beta-2 microglobulin form pI 5.3; beta-2-microglobulin; beta chain of MHC class I molecules

Gene ID

567

mRNA Refseq

NM_004048

Protein Refseq

NP_004039

UniProt ID

P61769

Chromosome Location

15q21-q22.2

MIM

109700

Pathway

Antigen processing and presentation; HIV Infection; Signaling in Immune system

Function

protein binding

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