

Recombinant Human B2M

Cat. No. B2M-26790TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length human beta 2 Microglobulin, 11.76 kDa.
Species	Human
Source	E.coli
Description	This gene encodes a serum protein found in association with the major histocompatibility complex (MHC) class I heavy chain on the surface of nearly all nucleated cells. The protein has a predominantly beta-pleated sheet structure that can form amyloid fibrils in some pathological conditions. A mutation in this gene has been shown to result in hypercatabolic hypoproteinemia.
Form	Lyophilised: It is recommended to reconstitute the lyophilized B2M in sterile 18M-cm H2O not less than 100ug/ml, which can then be further diluted to other aqueous solutions.
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: 0.05% Sodium Azide Constituents: PBS, pH 7.4
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Full Length	Full L.

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GENE INFORMATION

Gene Name B2M beta-2-microglobulin [Homo sapiens]

Official Symbol B2M

Synonyms B2M; beta-2-microglobulin;

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;

Function protein binding;

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