

Data Sheet

Human IL-1 β

Cat. No. A326-0405

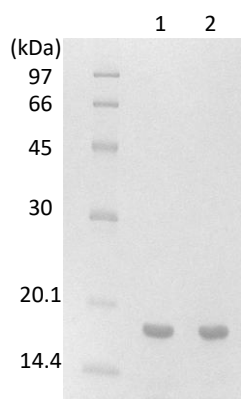
Overview

This product is a human cytokine IL-1 β produced by cell-free protein synthesis using an *E. coli* extract system and subsequently purified. The construct corresponds to IL-1 β (Ala117–Ser260, 153 amino acids) with an additional N-terminal Gly residue.

The biological activity of IL-1 β was confirmed by its concentration-dependent stimulation of D10.G4.1 cell proliferation. The activity was found to be comparable to that of commercially available reference products.

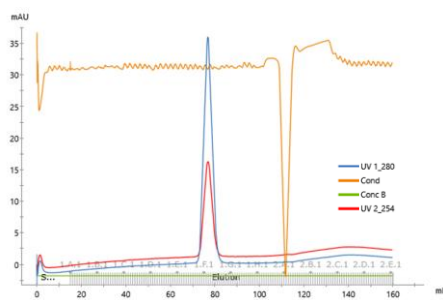
This product is for research use only and is not intended for diagnostic or therapeutic applications.

Species	Human
Expression	Cell-free protein synthesis (<i>E. coli</i> based)
A.A. sequence	G APVRSLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFMSFSVQGEESNDKIPVALGLK EKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKLFEFAQFPNWWYISTSQAEN MPVFLGGTKGGQDITDFTMQFVSS (Gly + Ala117-Ser269 of UniProt P01584, 154 a.a.)
MW	17.4 kDa
Purity	>95% by SDS-PAGE
Formulation	Frozen solution from 0.22 μ m filtered solution in PBS pH7.4 without carrier
Concentration	1 mg/mL determined by A280
Size	20, 100, 500 μ L / tube
Endotoxin	< 1 EU/ μ g
Storage	-80°C

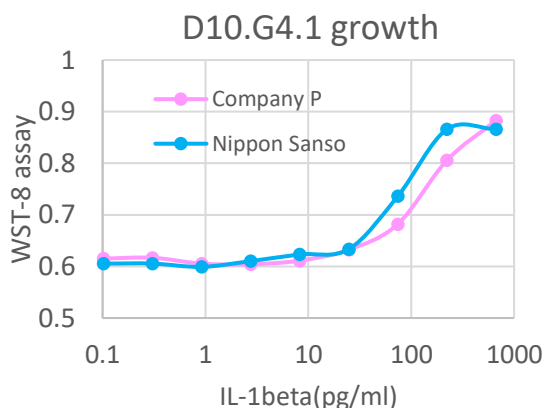


1: Reduced
2: Non reduced

SDS-PAGE



SEC analysis



Cell proliferation assay

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Human Oncostatin M

Cat. No. A326-0406

Overview

This product is a human Oncostatin M produced by cell-free protein synthesis using an *E. coli* extract system and subsequently purified. The construct corresponds to full-length human Oncostatin M (209 amino acids) with an additional N-terminal GlySerSerGlySerSer sequence. This protein is not glycosylated.

The biological activity of Oncostatin M was confirmed by its concentration-dependent stimulation of TF-1 cell proliferation. The activity was found to be comparable to that of commercially available *E. coli*-derived recombinant Oncostatin M.

This product is for research use only and is not intended for diagnostic or therapeutic applications.

Species	Human
Expression	Cell-free protein synthesis (<i>E. coli</i> based)
A.A. sequence	GSSGSS AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLDPYIRIQGLDVPKLREHCRERPGAFPSEETLRGLG RRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSGLNIEDLEKLQMARPNILGLRNNIYCMAQL LDNSDTAEPTKAGRGASQPPTPTPASDAFQQRKLEGCRLHGYHRFMHSVGRVFSKWGESPNRS RRHSPHQALRKGVRR (GlySerSerGlySerSer + Ala26-Arg234 of UniProt P13725, 215 a.a.)
MW	24.1 kDa
Purity	>95 % by SDS-PAGE
Formulation	Frozen solution from 0.22 µm filtered solution in PBS pH7.4 without carrier
Concentration	1 mg/mL determined by A280
Size	20, 100, 500 µL / tube
Endotoxin	< 1 EU/µg
Storage	-80°C

