

Recombinant Human IL1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IL1B-5955H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IL1B MS Standard C13 and N15-labeled recombinant protein (NP_000567) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. This gene and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.
Molecular Mass	30.7 kDa
AA Sequence	MAEVP ELASEMMAY YSGNEDDLFFEADGPKQMKCSFQDL DLCPLDGGIQLRISDHH YSKGFRQAASVVVAMDKLRKMLVPCPQTFQENDLSTFFPFIFEEPIFFDTWDNEAY VHDAPVRLNCTLRDSQQKSLVMSGPYELKALHLQGQDMEQQVVFMSFVQGEES NDKIPVALGLKEKNLYLSCVLKDDKPTLQLESVDPKNYPKKKMEKRFVFNKIEINNKL

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	EFESAQFPNWWYISTSQAENMPVFLGGTKGGQDITDFTMQFVSSTRTRPLEQKLISEE DLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	IL1B interleukin 1 beta [Homo sapiens (human)]
Official Symbol	IL1B
Synonyms	IL1B; interleukin 1, beta; interleukin-1 beta; IL 1B; IL1 BETA; IL1F2; IL-1 beta; catabolin; preinterleukin 1 beta; pro-interleukin-1-beta; IL-1; IL1-BETA;
Gene ID	3553
mRNA Refseq	NM_000576
Protein Refseq	NP_000567
MIM	147720

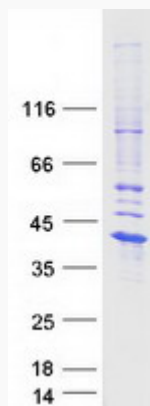
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UniProt ID P01584

SDS-PAGE



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