

Recombinant Human IL-1 β Protein

Cat. Number:	bs-10859P
Quantity size:	100 μ g/500 μ g
Host:	<i>E.coli</i>
Range:	117-269/269aa (C-6x His-Tag)
Format:	Liquid.
Concentration:	1mg /ml
Buffer:	20mM Tris(pH7.5), 8M urea
Purity:	\geq 95%(SDS-PAGE)
MW:	18.8kD
Background:	<p>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. [provided by RefSeq, Jul 2008].</p>
Storage:	Store at -20 $^{\circ}$ C (Avoid repeated freeze/thaw cycles).
Important Note:	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.