

Data Sheet: CellGro® / CellGenix™**Recombinant Human Interleukin-1 beta (rh IL-1β)****Preclinical Grade - Order No.: 1411-010 / 1411-050**

Source	A DNA sequence encoding the mature IL-1β protein was expressed in <i>E. coli</i>
Production	Terminal manufacturing steps and QC are performed in a GMP facility
Molecular mass	The methionyl form of the <i>E. coli</i> expressed mature human IL-1β contains 153 amino acid residues and has a molecular mass of 17 kDa
Purity	≥ 95%, as determined by SDS-PAGE
Endotoxin level	< 1000 EU/mg, as determined by LAL gel clot test
Activity	≥ 1x10 ⁸ IU/mg calibrated with the 1 st International Standard NIBSC, # 86/680 Measured in a cell proliferation assay using an IL-1β sensitive cell line, RPMI 1788
Sterility	Sterility test of the vial product (direct inoculation)
Formulation	Lyophilized from a protein solution in PBS without any carrier materials and preservatives
Amount per vial	50 µg or 10 µg, as determined by spectrophotometrical measurement at 280 nm using PBS as reference
Transport	Ambient temperature
Storage at	-20°C or below. Avoid repeated freeze-thaw cycles
Shelf life	Minimum 6 months from date of shipment
Intended use	For preclinical ex vivo use. Not intended for therapeutic use.

Manufacturer

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