



**Data Sheet: CellGro® / CellGenix™**  
**Recombinant Human Interleukin 1 beta (IL-1β)**  
**research grade - Order No.: 1411**

Source	A DNA sequence encoding the mature IL-1β protein was expressed in <i>E. coli</i> .
Raw Material Statement	n.a.
Production	Produced in a GMP environment.
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	< 0.1 ng per 1 μg (< 1000 EU/mg), as determined by LAL gel clot test.
Activity	Measured in a cell proliferation assay using an IL-1 β sensitive cell line, RPMI 1788.  ED50 is typically 1 – 10 pg/ml (Activity: >5x10 <sup>8</sup> IU/mg) calibrated with the 1 <sup>st</sup> International Standard NIBSC, # 86/680
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 to -80°C. Avoid repeated freeze-thaw cycles.
Shelf life	2 years from date of production
Intended Use	<b>For research use only.</b> <b>Not intended for diagnostic or therapeutic use.</b>

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