

Product Datasheet

RecombinantIL-1 α ,Rat (orb1494712)

Catalog Number	orb1494712
Category	Proteins
Description	Interleukin-1 alpha (IL-1 α), is produced in a variety of cells including monocytes, tissue macrophages, keratinocytes and other epithelial cells. Both IL-1alpha and IL-1beta bind to the same receptor and have similar if not identical biological properties. These cytokines have a broad range of activities including stimulation of thymocyte proliferation via IL-2 release, B-cell maturation and proliferation, mitogenic FGF-like activity, and the ability to stimulate the release of prostaglandin and collagenase from synovial cells. However, whereas IL-1beta is a secreted cytokine, IL-1alpha is predominantly a cell-associated cytokine.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Buffer/Preservatives	Lyophilized after extensive dialysis against PBS.
Purity	> 95% as analyzed by SDS-PAGE.
Purification	> 95% as analyzed by SDS-PAGE.
Protein Sequence	APHSFQNNLRYKLIRIVKQEFIMNDSLQNIYVDMDRIHKAASLNDLQLEVKFDMYAYSSG GDDSKYPVTLKVSNTQLF VSAQGEDKPVLLKEIPETPKLITGSETDLIFFWEKINSKNYFTSAAPPELLIATKEQSQVHLAR GLPSMIDFQIS
MW	17~22 kDa, observed by reducing SDS-PAGE.
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μ g/ml.
Endotoxins	0.2 EU/ μ g, determined by LAL method.
Source	CHO
Biological Activity	ED50 5 pg/ml, measured in a proliferation assay using D10S cells.

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Storage	Lyophilized recombinant Rat Interleukin-1 alpha remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, Rat Interleukin-1 alpha should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Expiration Date	6 months from date of receipt.

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