

## Product Datasheet

### Recombinant IL-7, His, Rat (orb1494693)

<b>Description</b>	Interleukin-7 (IL-7), also known as lymphopoietin 1 and pre-B cell factor, is a hematopoietic growth factor belonging to the IL-7/IL-9 family. It is produced by keratinocytes, dendritic cells, hepatocytes, neurons and epithelial cells. IL-7 binds and signals through IL-7 receptor, a heterodimer consisting of IL-7 receptor alpha and common gamma chain receptor. IL-7 plays a role in regulating early B cell and T cell development. It is also important for optimal dendritic cell-T cell interaction.
<b>Endotoxins</b>	< 0.2 EU/μg, determined by LAL method.
<b>Preservatives</b>	Lyophilized after extensive dialysis against PBS.
<b>Form/Appearance</b>	Lyophilized after extensive dialysis against PBS.
<b>Storage</b>	Lyophilized recombinant rat Interleukin-7 (IL-7), His remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, rat Interleukin-7 (IL-7), His should be stable up to 1 week at 4°C or up to 2 months at -20°C.
<b>Note</b>	For research use only
<b>Application notes</b>	Reconstituted in ddH <sub>2</sub> O or PBS at 100 μg/ml.
<b>Protein Sequence</b>	DCHIKDKDGKAFGSVLMISINQLDKMTGTDSDCPNNEPNFFKKHLCDDTKEA AFLNRAARK LRQFLKMNISEEFNDHLLR VSDGTQTLVNCTSKEEKTIKEQKKN DPCFLK RLLREIKTCWNKILKGSIH HHHHHH
<b>Purity</b>	> 95% as analyzed by SDS-PAGE.
<b>Source</b>	CHO
<b>MW</b>	20-28 kDa, observed by reducing SDS-PAGE.
<b>Expiration Date</b>	6 months from date of receipt.

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