

Product Datasheet

RecombinantIL-7,His,Mouse (orb1494694)

Description	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.
Endotoxins	< 0.2 EU/μg, determined by LAL method.
Preservatives	Lyophilized after extensive dialysis against PBS.
Form/Appearance	Lyophilized after extensive dialysis against PBS.
Storage	Lyophilized recombinant murine Interleukin-7 (IL-7), His remains stable up to 6 months at -80°C from date of receipt. Upon reconstitution, murine Interleukin-7 (IL-7), His should be stable up to 1 week at 4°C or up to 2 months at -20°C.
Note	For research use only
Application notes	Reconstituted in ddH ₂ O or PBS at 100 μg/ml.
Protein Sequence	ECHIKDKEGKAYESVLMISIDELDKMTGTDSNCPNNEPNFFRKHVCDTKEAAFLN RAARKLKQFLKMNISEEFNVHLLTVSQGTQTLVNCTSKEEKNVKEQKKNNDACFLKRLLEIK TCWNLKLGSIHHHHHH
Purity	> 95% as analyzed by SDS-PAGE.
Source	CHO
MW	8-28kDa, observed by reducing SDS-PAGE.
Expiration Date	6 months from date of receipt.

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