

Recombinant Human IL7 Protein, His-tagged

Cat. No. IL7-55H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL7 Protein, fused to His-tag, was expressed in HEK293.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. IL7 is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. IL7 plays an essential role in lymphoid cell survival, and in the maintenance of naive and memory T cells.
Form	PBS, pH7.4.
Molecular Mass	18.21 kDa
AA Sequence	DCDIEGKDGKQYESVLMVSIQLLDSMKEIGSNCLNNEFNFFKRHICDANKEGMFLF RAARKLRQFLKMNSTGDFDLHLLKVSEGTILLNCTGQVKGRKPAALGEAQPTKSLE ENKSLKEQKKLNDLCFLKRLLEIKTCWNKILMGTKHEHHHHHHH
Purity	>90%

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Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
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Concentration	0.3 mg/ml
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GENE INFORMATION

Gene Name	IL7 interleukin 7 [Homo sapiens (human)]
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Official Symbol	IL7
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Synonyms	IL-7
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Gene ID	3574
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mRNA Refseq	NM_000880
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Protein Refseq	NP_000871
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MIM	146660
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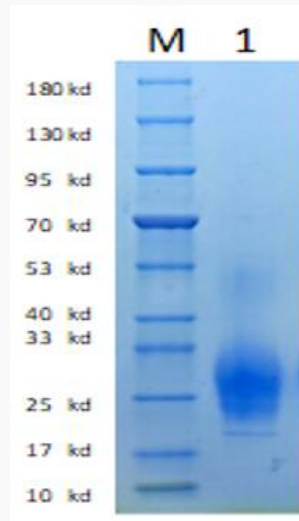
UniProt ID	P13232
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SDS-PAGE



Reducing 12% SDS-PAGE analysis profile of purified IL7 (CBB stained).

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