

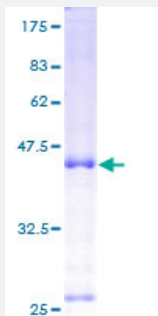
Full-Length

IL7 (Human) Recombinant Protein (P01)

Catalog # H00003574-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human IL7 full-length ORF (AAH47698, 26 a.a. - 177 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DCDIEGKDGKQYESVLVVSIDQLLD SMKEIGSNCLNNEFNFFKRHICDANKEGMFLFRAARKLRQ FLKMNSTGDFDLHLLKVSEGTTILLNCTGQVKGRKPAALGEAQPTKSLEENKSLKEQKKLNDLCF LKRLLEIKTCWNKILMGTKEH
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	42.46
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IL7

Entrez GeneID [3574](#)

GeneBank Accession# [BC047698](#)

Protein Accession# [AAH47698](#)

Gene Name IL7

Gene Alias IL-7

Gene Description interleukin 7

Omim ID [146660](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. This cytokine 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. Knockout studies in mice suggested that this cytokine plays an essential role in lymphoid cell survival. [provided by RefSeq]

Other Designations IL7 nirs variant 6

Pathway

- [Cytokine-cytokine receptor interaction](#)

- [Hematopoietic cell lineage](#)
- [Jak-STAT signaling pathway](#)

Disease

- [Asthma](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Celiac Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Infant](#)
- [Multiple Sclerosis](#)
- [Respiratory Syncytial Virus Infections](#)