



Recombinant Horse Interleukin-2 (IL2)

Product Code	CSB-EP011629HO
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P37997
Product Type	Recombinant Protein
Immunogen Species	Equus caballus (Horse)
Purity	>85% (SDS-PAGE)
Sequence	APTSSSKRET QQQLKQLQMD LKLLLEGVNN NKNPKLSKIL TFKINMPKKA TELKHLQCLE EELKPLEEML KNFLSKDIKE LMSNINVTVL GLKGSETRFT CEYDNETETI VEFLNKWITF CQSIISTLT
Source	E.coli
Target Names	IL2
Protein Names	Recommended name: Interleukin-2 Short name= IL-2 Alternative name(s): T-cell growth factor Short name= TCGF
Expression Region	21-149
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.