



# Recombinant Dog Interleukin-4 (IL4)

<b>Product Code</b>	CSB-YP011659DO
<b>Relevance</b>	Participates in at least several B-cell activation processes as well as of other cell types. It is a costimulator of DNA-synthesis. It induces the expression of class II MHC molecules on resting B-cells. It enhances both secretion and cell surface expression of IgE and IgG1. It also regulates the expression of the low affinity Fc receptor for IgE (CD23) on both lymphocytes and monocytes .
<b>Storage</b>	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.
<b>Uniprot No.</b>	O77762
<b>Alias</b>	B-cell stimulatory factor 1 ;BSF-1Lymphocyte stimulatory factor 1
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Canis lupus familiaris (Dog) (Canis familiaris)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	HNFNITIKEIHKMLNILTARNDSCEMLTVKDVFTAPKNTSDKEIFCRAATVLRQIYT HNCNRYLRGLYRNLSMANKTCMNEIKKSTLKDFLERLKVIMQKKYYRH
<b>Research Area</b>	Others
<b>Source</b>	Yeast
<b>Target Names</b>	IL4
<b>Protein Names</b>	Recommended name: Interleukin-4 Short name= IL-4Alternative name(s): B-cell stimulatory factor 1 Short name= BSF-1 Lymphocyte stimulatory factor 1
<b>Expression Region</b>	25-132aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	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.
<b>Shelf Life</b>	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.