

Product datasheet

Recombinant cat IL-2 (mutated C146S) protein (Active) ab223097

1 Image

Description

Product name	Recombinant cat IL-2 (mutated C146S) protein (Active)
Biological activity	Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED ₅₀ for this effect is less or equal to 0.3 ng/ml.
Purity	> 95 % SDS-PAGE. ab223097 was purified using conventional chromatography techniques.
Endotoxin level	< 1.000 Eu/μg
Expression system	Escherichia coli
Accession	<u>Q07885</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Cat
Sequence	MGSSHHHHHHSSGLVPRGSHMG SAPASSSTKETQQQLE QLLLDLRLLLN G VNNPENPKLSRMLTFKFYVPKKATELTHLQCLVEELKPLE EVLYLAQSKN FHLNHIKELMSNINVTVLKLGSETRFTCNYYDETATIVEFL NKWITFSQ SIFSTLT
Predicted molecular weight	18 kDa including tags
Amino acids	21 to 154
Modifications	mutated C146
Tags	His tag N-Terminus
Additional sequence information	C146S mutation. This product is the mature full length protein from aa 21 to 154. The signal peptide is not included (NP_001036802).

Specifications

Our **Abpromise guarantee** covers the use of **ab223097** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Functional Studies
	SDS-PAGE
	Mass Spectrometry
Mass spectrometry	MALDI-TOF
Form	Liquid

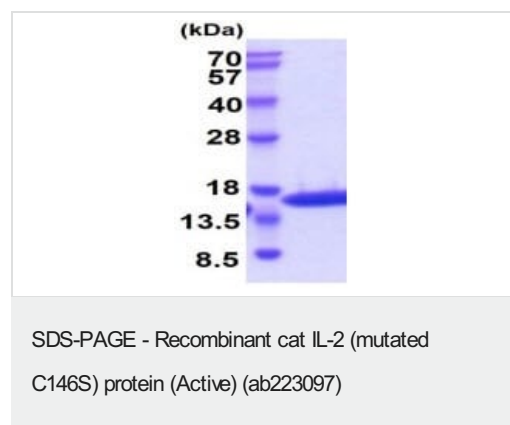
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 30% Glycerol (glycerin, glycerine), 0.87% Sodium chloride, 0.32% Tris HCl This product is an active protein and may elicit a biological response in vivo, handle with caution.
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General Info

Function	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells.
Involvement in disease	Note=A chromosomal aberration involving IL2 is found in a form of T-cell acute lymphoblastic leukemia (T-ALL). Translocation t(4;16)(q26;p13) with involves TNFRSF17.
Sequence similarities	Belongs to the IL-2 family.
Cellular localization	Secreted.

Images



15% SDS-PAGE analysis of 3 µg ab223097.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet

- Valid for 12 months from date of delivery
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