

# Recombinant Ovine IL10 Protein

**Cat. No.** IL10-33O    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | The Ovine IL-10 recombinant protein was produced in yeast and therefore does not have endotoxin, is naturally folded, and post-translationally modified.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Ovine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | The IL-10 family of cytokines consists of nine members: IL-10, IL-19, IL-20, IL-22, IL-24, IL-26, IL-28A, IL-28B, and IL-29. These cytokines elicit diverse host defense mechanisms. IL-10 family cytokines are essential for maintaining the integrity and homeostasis of tissue epithelial layers. By promoting innate immune response, members of this family can limit the damage caused by viral and bacterial infections. They can also facilitate the tissue-healing process in injuries caused by infection or inflammation. IL-10 itself is an anti-inflammatory cytokine. IL-10 family cytokines have indispensable functions in many infectious and inflammatory diseases. |
| <b>Molecular Mass</b>   | 18.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | SRDASTLSDSSCTHFPASLPHMLRELRAAFGKVKTFQMKDQLNSMLLTQSLLDDFKGYLGQCQALSEMIQFYLEEVMPPQAENHGPDIKEHVNSLGEKCLKTLRLRLRRCHRFLPCENKSKAVEQVKRVFNMLQERGVYKAMSEFDIFINYIESYMTTKM(158)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Applications</b>     | The Ovine IL-10 endotoxin-free recombinant protein can be used in cell culture, as an IL-10 ELISA Standard, and as a Western Blot Control.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

## GENE INFORMATION

|                 |                                             |
|-----------------|---------------------------------------------|
| Gene Name       | IL10 interleukin 10 [ Capra hircus (goat) ] |
| Official Symbol | IL10                                        |
| Synonyms        | IL10; interleukin 10; IL-10; interleukin-10 |
| Gene ID         | 100860746                                   |
| mRNA Refseq     | XM_005690416                                |
| Protein Refseq  | XP_005690473                                |
| UniProt ID      | A0A452EY26                                  |

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