

## IL13 active protein

Recombinant Human IL13

CATALOG #  
**AAA214231**

HOST  
**E Coli**

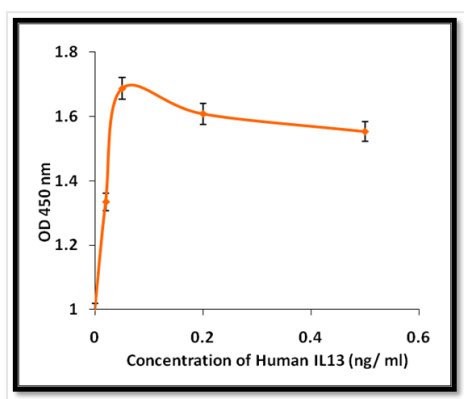
### PRODUCT SYNONYMS

IL13; Recombinant Human IL13; IL-13; NC30; Recombinant Human Interleukin-13 (IL13); IL13 active protein

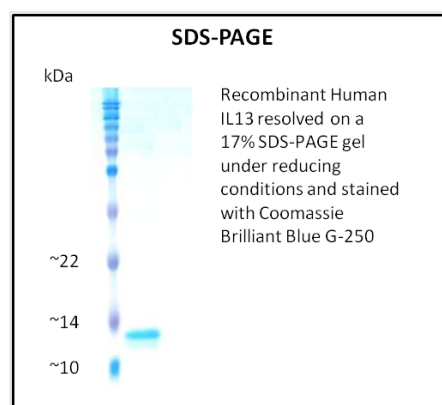
### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli                                                                                                                                                                                                                                                                                                                              |
| Purity/Purification     | >95% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                      |
| Form/Format             | Lyophilized from a 0.2 um filtered solution in sodium phosphate and NaCl (pH 8.0)                                                                                                                                                                                                                                                   |
| Sequence Length         | 146                                                                                                                                                                                                                                                                                                                                 |
| Bioactivity             | The ED50, as determined by the dose-dependent proliferation of TF-1 cells was found to be <= 2.0 ng/mL                                                                                                                                                                                                                              |
| Endotoxin Level         | <1.0 EU/ug of recombinant protein as determined by the LAL method                                                                                                                                                                                                                                                                   |
| Reconstitution          | A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.                                                                                                                                                            |
| Preparation and Storage | The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles. |

### IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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| Related Product Information for IL13 active protein | Human IL13 is expressed in activated T helper cells (resembling Th0, Th1, Th2), and T cells expressing CD8. The alpha chain of the IL13 receptor has weak binding activity for IL13. High affinity receptors are formed when the receptor alpha chains of IL13 and IL4 receptors are coexpressed. Different IL13 receptor structures have been shown to exist on various cell types and the IL13 receptor may share more than one component with IL4 receptor. IL13 down-modulates macrophage activity, reducing the production of pro-inflammatory cytokines and chemokines in response to IFN-gamma or bacterial lipopolysaccharides. IL13 enhances the production of the IL1 receptor antagonist IL1ra. IL13 also decreases the production of nitric oxide by activated macrophages, leading to a decrease in parasitocidal activity. IL13 induces differentiation of human monocytes, enhances survival time in culture, and also induces differentiation and proliferation and isotype switching in B cells. |
|-----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                          |
|----------------------------------|--------------------------|
| NCBI GI #                        | 26787978                 |
| NCBI GeneID                      | 3596                     |
| NCBI Accession #                 | NP_002179.2              |
| NCBI GenBank Nucleotide #        | NP_002179.2              |
| UniProt Accession #              | P35225                   |
| Molecular Weight                 | 13.0 kDa                 |
| NCBI Official Full Name          | interleukin-13 isoform 1 |
| NCBI Official Synonym Full Names | interleukin 13           |
| NCBI Official Symbol             | IL13                     |
| NCBI Official Synonym Symbols    | P600; IL-13              |
| NCBI Protein Information         | interleukin-13           |
| UniProt Protein Name             | Interleukin-13           |
| UniProt Gene Name                | IL13                     |
| UniProt Synonym Gene Names       | NC30; IL-13              |
| UniProt Entry Name               | IL13_HUMAN               |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/il13/214231>