

## Viral interleukin-10 homolog Recombinant Protein | UL111A recombinant protein

Recombinant Human cytomegalovirus (strain AD169) (HHV-5) (Human herpesvirus 5) Viral interleukin-10 homolog

|                               |                                                                 |
|-------------------------------|-----------------------------------------------------------------|
| CATALOG #<br><b>AAA115741</b> | HOST<br><b>E Coli or Yeast or Baculovirus or Mammalian Cell</b> |
|-------------------------------|-----------------------------------------------------------------|

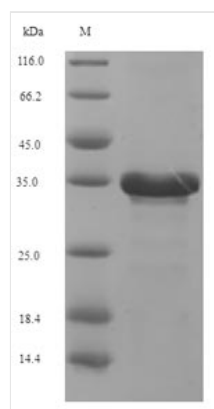
### PRODUCT SYNONYMS

Viral interleukin-10 homolog; Recombinant Human cytomegalovirus (strain AD169) (HHV-5) (Human herpesvirus 5) Viral interleukin-10 homolog; cmvIL-10; vIL-10; UL111A recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | E Coli or Yeast or Baculovirus or Mammalian Cell                                                                                                                                  |
| Purity/Purification     | Greater or equal to 85% purity as determined by SDS-PAGE.                                                                                                                         |
| Form/Format             | Lyophilized or liquid (Format to be determined during the manufacturing process)                                                                                                  |
| Sequence Positions      | 20-175aa; Full Length                                                                                                                                                             |
| Sequence                | SEEAKPATTT IKNTKPQCRP EDYATRLQDL RVTFHRVKPT LQREDDYSVW LDGTVVKGCW GCSVMDWLLR<br>RYLEIVFPAG DHVYPGLKTE LHSMRSTLES IYKDMRQCPL LGCGDKSVIS RLSQEAERKS DNGTRKGLSE<br>LDTLFSRLEE YLHSRK |
| Sequence Length         | 175                                                                                                                                                                               |
| Species                 | Human cytomegalovirus (strain AD169) (HHV-5) (Human herpesvirus 5)                                                                                                                |
| Preparation and Storage | Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.                                                                                            |

### IMAGES



SDS-PAGE

### ADDITIONAL INFORMATION

|                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for<br><b>UL111A recombinant protein</b> | Functional viral IL-10 homolog. Can bind to the human IL-10 receptor and compete with human IL-10 for binding sites. Requires both subunits of the human IL-10 receptor complex to induce signal transduction events and biological activities. IL-10 signaling pathway has several immunosuppressive activities that are exploited by the virus. Inhibits TLR-induced type I interferon production in host plasmacytoid dendritic cells. |
| References                                                           | "Human cytomegalovirus-encoded interleukin-10 homolog inhibits maturation of dendritic cells and alters their functionality." Chang W.L., Baumgarth N., Yu D., Barry P.A. J. Virol. 78:8720-8731(2004)                                                                                                                                                                                                                                    |

NCBI AND UNIPROT INFORMATION

|                            |                              |
|----------------------------|------------------------------|
| NCBI GI #                  | 59803083                     |
| UniProt Accession #        | P17150; Q7M6T2; Q9J7C4       |
| Molecular Weight           | 34 kDa                       |
| NCBI Official Full Name    | Viral interleukin-10 homolog |
| UniProt Protein Name       | Viral interleukin-10 homolog |
| UniProt Gene Name          | UL111A                       |
| UniProt Synonym Gene Names | cmvIL-10; vIL-10             |
| UniProt Entry Name         | IL10H_HCMVA                  |

**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/ul111a-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115741>