

## 6 kDa early secretory antigenic target Recombinant Protein | ESXA recombinant protein

Recombinant Mycobacterium tuberculosis 6 kDa early secretory antigenic target

|                               |                      |                            |
|-------------------------------|----------------------|----------------------------|
| CATALOG #<br><b>AAA309795</b> | HOST<br><b>Yeast</b> | REACTIVITY<br><b>MYCTU</b> |
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### PRODUCT SYNONYMS

6 kDa early secretory antigenic target; Recombinant Mycobacterium tuberculosis 6 kDa early secretory antigenic target; ESAT-6; ESXA recombinant protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Yeast                                                                                                                                                                                                                                                                                                                                                                               |
| Reactivity              | MYCTU                                                                                                                                                                                                                                                                                                                                                                               |
| Purity/Purification     | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                         |
| Form/Format             | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                       |
| Sequence Positions      | Partial of the Full Length of 2-95aa, 6-95aa                                                                                                                                                                                                                                                                                                                                        |
| Sequence                | WNFAGIEAAA SAIQGNVTSI HSLDEGKQS LTKLAAWGG SGSEAYQGVQ QKWDATATEL NNALQNLART ISEAGQAMAS TEGNVTGMFA                                                                                                                                                                                                                                                                                    |
| Immunogen Description   | Expression Region:6-95aaSequence Info:Partial                                                                                                                                                                                                                                                                                                                                       |
| Tag Info                | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                             |
| Tag Info                | His-tag                                                                                                                                                                                                                                                                                                                                                                             |
| Preparation and Storage | 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. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

### ADDITIONAL INFORMATION

|                                                          |                                                                                                                                                                                   |
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| Related Product Information for ESXA recombinant protein | Brief Description: Recombinant Protein<br>Background: Not known. Elicits high level of IFN-gamma from mory effector cells during the first phase of a protective immune response. |
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### NCBI AND UNIPROT INFORMATION

|                           |                                                         |
|---------------------------|---------------------------------------------------------|
| NCBI GI #                 | 489495046                                               |
| NCBI GeneID               | 32287916                                                |
| NCBI Accession #          | WP_003399963.1                                          |
| NCBI GenBank Nucleotide # | WP_003399963.1                                          |
| UniProt Accession #       | P9WNNK7; O84901; P0A564; Q540D8; Q57165; F2GDN6; P0A565 |
| Molecular Weight          | 11.3 kDa                                                |
| NCBI Official Full Name   | MULTISPECIES: WXG100 family type VII secretion target   |
| NCBI Official Symbol      | esxA                                                    |

|                          |                                                      |
|--------------------------|------------------------------------------------------|
| NCBI Protein Information | 6 kda early secretory antigenic target esxa (esat-6) |
| UniProt Protein Name     | 6 kDa early secretory antigenic target               |
| UniProt Gene Name        | <b>esxA</b>                                          |

**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/esxa-recombinant-protein-yeast/309795>