

ESAT6 recombinant protein

ESAT6, 1-95aa, Mycobacterium tuberculosis, His tag, Baculovirus

CATALOG # AAA11819	HOST Baculovirus	APPLICATIONS SDS-Page
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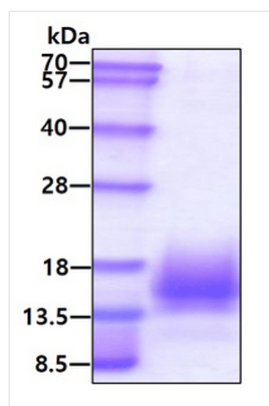
PRODUCT SYNONYMS

ESAT6; 1-95aa; Mycobacterium tuberculosis; His tag; Baculovirus; Early secretory antigenic target 6 kDa; Early secretory antigenic target; 6 kDa; ; ESAT6 recombinant protein

PRODUCT SPECIFICATIONS

Host	Baculovirus
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing, 10% glycerol
Concentration	0.5 mg/ml (determined by BCA assay) (varies by lot)
Sequence Positions	1-95aa
Sequence	MTEQQ WNFAGIEAAA SAIQGNVTSI HSLLDGKQS LTKLAAWGG SGSEAYQGVQ QKWDATATEL NNALQNLART ISEAGQAMAS TEGNVTGMFA HHHHHH
Applicable Applications for ESAT6 recombinant protein	SDS-PAGE
Tag Information	His-tag
Endotoxin Level	< 1 EU per 1ug of protein (determined by LAL method)
Preparation and Storage	Can be stored at +2°C to +8°C for up to 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for ESAT6 recombinant protein	ESAT6, the 6 kDa early secretory antigenic target of Mycobacterium tuberculosis, is a secretory protein and potent T cell antigen. ESAT6 has been shown to directly bind to the TLR2 receptor, inhibiting downstream signal transduction. Recently it was shown that ESAT6 is very potential for differentiation between the mycobacterial infection and BCG vaccination. Recombinant Mycobacterium tuberculosis CDC1551 ESAT6 protein, fused to His-tag at C-terminus, was expressed in Baculovirus and purified by using conventional chromatography techniques.
References	Pathak SK., et al. (2007) Natlmmunol. 8 (6):610-8.; Matveeva NA., et al. (2011) Tsitol Genet. 45 (1):11-7.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15843506
NCBI GeneID	922546
NCBI Accession #	NP_338543.1
NCBI GenBank Nucleotide #	NC_002755.2
UniProt Accession #	P9WNK6
Molecular Weight	11 kDa (104aa)
NCBI Official Full Name	early secretory antigenic target, 6 kDa

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://www.aaabiotech.com/esat6-recombinant-protein-baculovirus-sds-page/11819>