

Product information

ESAT6 , 1-95 aa

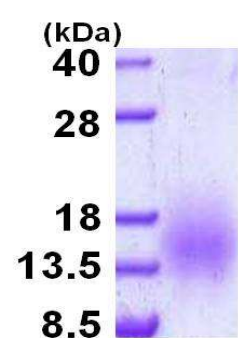
Mycobacterium tuberculosis CDC1551, His-tag, Recombinant, *Baculovirus*

Cat. No. IBATGP1480

Full name: Early secretory antigenic target, 6 kDa

NCBI Accession No.: NP_338543.1

Description: 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 as diagnostic 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.

<p>Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol</p> <p>Molecular Weight: 11 kDa (104aa)</p> <p>Purity: > 90% by SDS - PAGE</p> <p>Concentration: 0.5 mg/ml (determined by BCA assay)</p> <p>Endotoxin Level: < 1.0 EU per 1 µg of protein (determined by LAL method)</p>	
<p>Sequences of amino acids:</p> <p><u>AD</u>PMT<u>EQ</u>QWN <u>FAG</u>I<u>EA</u>AASA <u>I</u>QGNVTS<u>I</u>HS <u>LL</u>DEG<u>K</u>QSLT <u>KL</u>AA<u>AW</u>GGSG <u>SE</u>AY<u>QG</u>VQK <u>W</u>D<u>A</u>T<u>A</u>T<u>E</u>L<u>N</u>N <u>AL</u>Q<u>N</u>L<u>A</u>R<u>T</u>I<u>S</u> <u>E</u>A<u>G</u>Q<u>A</u>M<u>A</u>S<u>T</u>E <u>G</u>N<u>V</u>T<u>G</u>M<u>F</u>A<u>H</u>H <u>H</u>H<u>H</u>H</p>	

General references:

Pathak SK., *et al.* (2007) *Nat Immunol.* 8(6):610-8.

Matveeva NA., *et al.* (2011) *Tsitol Genet.* 45(1):11-7.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
 Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.