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.

**Form:** Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol

**Molecular Weight:** 11 kDa (104aa)

**Purity:** > 90% by SDS - PAGE

**Concentration:** 0.5 mg/ml (determined by BCA assay)

**Endotoxin Level:** < 1.0 EU per 1 μg of protein (determined by LAL method)

**Sequences of amino acids:**

ADPMTEQQWN FAGIEAAASA IQGNVTSIHS LLDEGKQSLT KLAAAWGSG SEAYQGVQKK WDATATELNN ALQNLARTIS EAGQAMASTE GNVTGMAFAH HHHH

**General references:**


**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.*