Recombinant Mycobacterium tuberculosis CDC1551 MT3989, His-tagged

Cat. No. ESAT6-51 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Source	Insect Cells
ProductOverview	Recombinant Mycobacterium tuberculosis CDC1551 ESAT6 protein, fused to His-tag at C-terminus, was expressed in Baculovirus and purified by using conventional chromatography techniques.
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.
AminoAcid Composition	ADPMTEQQWN FAGIEAAASA IQGNVTSIHS LLDEGKQSLT KLAAAWGGSG SEAYQGVQQK WDATATELNN ALQNLARTIS EAGQAMASTE GNVTGMFAHH HHHH
PhysicalAppearance	Liquid.
Purity	> 90% by SDS - PAGE.
Formulation	In 20mM Tris-HCl buffer (pH 8.0) containing, 10% glycerol.

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MolecularWeight	11 kDa (104aa)
Concentration	0.5 mg/ml (determined by Bradford assay)
Application	SDS-PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
References	Pathak SK., et al. (2007) Natlmmunol. 8(6):610-8.Matveeva NA., et al. (2011) Tsitol Genet. 45(1):11-7.

GENE INFORMATION

Synonyms	ESAT 6; ESAT-6; Early secretory antigenic target protein; ESAT-6 protein; ESAT6; ESAT 6 protein; 6 kDa protein

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