

SIT1, 1-196aa, Human, His tag, E.coli

Cat.NO.: TP03948

3th Edition

Synonyms: Signaling threshold-regulating transmembrane adapter 1, SIT

Description: SIT1, also known as signaling threshold-regulating transmembrane adapter 1, negatively regulates TCR (T-cell antigen receptor)-mediated signaling in T-cells. This protein involved in positive selection of T-cells. Recombinant human SIT1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol

Molecular Weight: 16.9 kDa (156aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)

Sequences:

MGSSHHHHHSSGLVPRGSHMHLSQWTRGRSRSHPGQGRSGESVEEVPLYGNLHYLQTGRLSQDPEPDQQDP
TLGGPARAAEEVMCYTSLQLRPPQGRIPGPGTPVKYSEVVL DSEP K SQASGPEPELYASVCAQTRRARASFPDQA
YANSQPAAS

Purity: > 95% by HPLC

Concentration: 0.25 mg/ml (determined by Bradford assay)

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

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.