

## 32-4854: Recombinant Human Signaling Threshold Regulating Transmembrane Adaptor 1

**Alternative Name :** Signaling threshold-regulating transmembrane adapter 1, SHP2-interacting transmembrane adapter protein, Suppression-inducing transmembrane adapter 1, gp30/40, SIT1, SIT, RP11-331F9.5, MGC125908, MGC125909, MGC125910.

### Description

Source : Escherichia Coli. SIT1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 156 amino acids (62-196 a.a.) and having a molecular mass of 16.9kDa (Molecular weight on SDS-PAGE will appear higher). SIT1 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Signaling threshold-regulating transmembrane adapter 1 (SIT1) negatively regulates T-cell antigen receptor (TCR)-mediated signaling in T-cells. SIT1 is involved in positive selection of T-cells. SIT1 is specifically expressed in T- and B-cells. SIT1 is also present in plasma cells but not in germinal center B-cells (at protein level). SIT1 is expressed in T- and B-cell lymphoma.

### Product Info

**Amount :** 5 µg  
**Purification :** Greater than 90.0% as determined by SDS-PAGE.  
**Content :** SIT1 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH8.0) and 20% glycerol.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MHLSQWTRGR SRSHPGQGRS GESVEEVPLY GNLHYLQTGR  
LSQDPEPDQQ DPTLGGPARA AEEVMCYTSL QLRPPQGRIP GPGTPVKYSE VLDSEPKSQ ASGPEPELYA  
SVCAQTRRAR ASFPDQAYAN SQPAAS.

