

Stromal Interaction Molecule 1 Human Recombinant

Item Number	rAP-4415
Synonyms	Stromal interaction molecule 1, GOK, D11S4896E, STIM-1, STIM1.
Description	Recombinant STIM1 produced in E.Coli is a single, non-glycosylated polypeptide chain (aa 23-213) containing a total of 343 amino acids and having a molecular mass of 38kDa. STIM1 is fused to a 152 aa Calmodulin tag at N-terminus and purified by conventional chromatography techniques.
Uniprot Accession Number	Q13586
Amino Acid Sequence	MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL GQNPTAEALQ DMINEVDADG NGTID-FPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EHVQMMTAKG SMLSHSHSEK ATGTSSGANS EESTAAEFCR IDKPLCHSED EKLSFEAVRN IHKLMDDAN GDVDVEESDE FLREDLNYHD PTVKHSTFHG EDKLISVEDL WKAWKSEVY NWTVDEVVQW LITYVELPQY EETFRKLQLS GHAMPRLAVT NTTMTGTVLK MDRSHRQKL QLKALDTVLF GPPLLTRHNN LKD.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile filtered colorless solution. 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.
Formulation and Purity	The STIM1 protein solution (1mg/ml) contains 20mM Tris-HCl pH-7.5. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**