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STIM1, 23-213aa, Human, CaM tagged, Recombinant, E.coli

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第三版

别名:GOK, D11S4896E, Stromal interaction molecule 1, STIM1, Stromal interaction molecule 1 D11S4896E, SIM, STIM 1, Stim1 stromal interaction molecule 1.

描述:Stromal interaction molecule 1 (STIM1) is a transmembrane protein that is essential for store-operated Ca(2+) entry, a process of extracellular Ca(2+) influx in response to the depletion of Ca(2+) stores in the endoplasmic reticulum (ER). STIM1 localizes predominantly to the ER; upon Ca(2+) release from the ER, STIM1 translocates to the ER-plasma membrane junctions and activates Ca(2+) channels. Recombinant Calmodulin tagged STIM was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid in 20mM Tris pH 7.5

分子量:38 kDa (343 aa), confirmed by MALDI-TOF.

序列:

MADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRSLGQNPTEAELQDMINEVDADGNGTIDFPEFLTMMARKMKD
TDSEEEIREAFRVFDKDGNGYISAAELRHVMTNLGEKLTDEEVDEMIREADIDGDGQVNYEEFVQMMTAKGSMLSHSHS
EKATGTSSGANSEESTAAEFCRIDKPLCHSEDEKLSFEAVRNIHKLMDDDANGDVDVEESDEFLREDLNYHDPTVKHSTFH
GEDKLISVEDLWKAWKSSEVYNWTVDEVVQWLITYVELPQYEETFRKLQLSGHAMPRLAVTNTTMTGTVLKMTRDRSHR
QKLQKALDTVLFGPPLLTRHNHLKD

纯度:> 95% by HPLC

浓度:1 mg/ml (determined by Bradford assay)

内毒素:<1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.