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STYX, 26-223aa, Human, His tag, E.coli

产品货号: TP04084

第三版

别名: Serine/threonine/tyrosine-interacting protein, FLJ42934

描述: STYX, also known as serine/threonine/tyrosine-interacting protein, belongs to the protein-tyrosine phosphatase family. It contains a Gly residue instead of a conserved Cys residue in the dsPTase catalytic loop which renders it catalytically inactive as a phosphatase. The binding pocket is however sufficiently preserved to bind phosphorylated substrates, and maybe protect them from phosphatases. It seems to play a role in spermiogenesis. Recombinant human STYX protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.

配方: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 40% glycerol, 0.15M NaCl, 1mM DTT

分子量: 25.0 kDa (221aa), confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHSHMRREMQEILPGLFLGPYSSAMKSKLPVLQKHGITHIICIRQNI EANFIKPNFQQLF RYLV
LDIADNPVENIIRFFPMTKEFIDGSLQMGGKVLVHGNAGISRSAAFVIAYIMETFGMKYRDAFAYVQERRFCINPNAGFVH
QLQEYEA IYLAKLTIQMMSPLQIERSLSVHSGTTGSLKRTHEEEDDFGTMQVATAQNG

纯度: > 95% by HPLC

浓度: 0.5 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.