

32-2824: STYX (26-223) Recombinant Protein

Alternative Name : Serine/threonine/tyrosine-interacting protein.

Description

Source : E.coli. STYX Human Recombinant produced in E. coli is a single polypeptide chain containing 221 amino acids (26-223) and having a molecular mass of 25.0kDa. STYX is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. STYX is a member of the protein-tyrosine phosphatase family. STYX has a Gly residue instead of a conserved Cys residue in the dsPTPase catalytic loop which renders it catalytically inactive as a phosphatase. Nevertheless, the binding pocket is adequately preserved to bind phosphorylated substrates, and possibly protect them from phosphatases. STYX takes part in spermiogenesis.

Product Info

Amount :	5 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The STYX solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 40% 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 :	MGSSHHHHH SSGLVPRGSH SHMRREMQEI LPGLFLGPYS SAMKSKLPVL QKHGITHIIC IRQNIENFI KPNFQQLFRY LVLDIADNPV ENIIRFFPMT KEFIDGSLQM GGKVLVHGNA GISRSAAFVI AYIMETFGMK YRDAFAYVQE RRFCINPNAG FVHQLQEYEA IYLAKLTIQM MSPLQIERSL SVHSGTTGSL KRTHEEEDDF GTMQVATAQN G

