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32-2823: STYX Recombinant Protein

Alternative Name : Serine/threonine/tyrosine-interacting protein,Protein tyrosine phosphatase-like protein,STYX,FLJ42934.

Description

Source : E.coli. STYX Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 247 amino acids (1-223) and having a molecular mass of 28kDa.STYX is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Serine/threonine/tyrosine-interacting protein (STYX) is a member of the protein-tyrosine phosphatase family. STYX contains a Gly residue instead of a conserved Cys residue in the dsPTPase catalytic loop which makes it catalytically inactive as a phosphatase. On the other hand, the binding pocket is adequately preserved to bind phosphorylated substrates, and may protect them from phosphatases. STYX may have a role in spermiogenesis. STYX is a possible pseudophosphatase.

Product Info

Amount :	10 µg
Purification :	Greater than 85% as determined by SDS-PAGE.
Content :	The STYX solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH8.0), 30% glycerol, 1mM DTT and 0.1M NaCl.
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 MGSHMEDVKL EFPSLPQCKE DAEEWTYPMR REMQEILPGL FLGPYSSAMK SKLPVLQKHG ITHIICIRQN IEANFIKPNF QQLFRYLVLD IADNPVENII RFFPMTKEFI DGSLQMGGKV LVHGNAGISR SAAFVIAYIM ETFGMKYRDA FAYVQERRFCINPNAGFVHQ LQEYEAIYLA KLTIQMMSPL QIERSLSVHS GTTGSLKRTH EEEDDFGTMQ VATAQNG.

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