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STYX Human (26-223)

Catalog #:ENPS-597

For research use only.

Description: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.

Synonyms: Serine/threonine/tyrosine-interacting protein.

Source:E.coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH SHMRREMQEI LPGLFLGPYS SAMKSKLPVL QKHGITHIIC IRQNIEANFI KPNFQQLFRY LVLDIADNPV ENIIRFFPMT KEFIDGSLQM GGKVLVHGNA GISRSAAFVI AYIMETFGMK YRDAFAYVQE RRFCINPNAG FVHQLQEYEA IYLAKLTIQM MSPLQIERSL SVHSGTTGSL KRTHEEEDDF GTMQVATAQN G

Purity: Greater than 85% as determined by SDS-PAGE.

Formulation:
The STYX solution (0.5mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 1mM DTT and 40% glycerol.

Stability:
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.

Usage:
NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:
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.

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