

Recombinant Human Serine/Threonine/Tyrosine Interacting Protein, His-tagged

Cat. No. STYX-1935H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human STYXprotein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
Species	Human
Source	E.coli
Description	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 dsPTPase 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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol 1mM DTT, 0.1M NaCl.
Molecular Weight	28.0 kDa(247aa) confirmed by MALDI-TOF.
Purity	> 85% by SDS - PAGE.
Concentration	0.25 mg/ml(determined by Bradford assay).
Sequences of amino acids	MGSSHHHHHHSSGLVPRGSH MGSHPMEDVKL EFPSLPQCKE DAEEWTPMR REMQEILPGL FLGPYSSAMK SKLPVLQKHGITHIICIRQN IEANFIKPNF

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QQLFRYLVLD IADNPVENII RFFPMTKEFI DGSLQMGGKV
 LVHGNAGISRSAAFVIAYIM ETFGMKYRDA FAYVQERRFC INPNAGFVHQ
 LQEYEAIIYA KLTIQMMSPLQIERSLSVHS GTTGSLKRTH EEEDDFGTMQ
 VATAQNG

Storage

Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

OfficialSymbol

STYX

GENE INFORMATION

Gene Name

STYX serine/threonine/tyrosineinteracting protein [Homo sapiens]

Synonyms

STYX;serine/threonine/tyrosine interacting protein; serine/threonine/tyrosine-interactingprotein; protein tyrosine phosphatase-like protein

Gene ID

6815

mRNA Refseq

NM_001130701

Protein Refseq

NP_001124173

UniProt ID

Q8WUJ0

**Chromosome
Location**

14q22.1

Function

hydrolase activity;NOT protein tyrosine/serine/threonine phosphatase activity

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