STYX cDNA Clone – Serine/Threonine/Tyrosine Interacting Protein (Human)

PRODUCT OVERVIEW

Product Name	STYX, cDNA Clone
Full Product Name	STYX cDNA Clone
Product Gene Name	STYX cdna clone
Sequence	atggaggacg tgaagctgga gttcccttcc cttccacagt gcaaggaaga cgccgaggag tggacctacc ctatgagacg agagatgcag gaaattttac ctggattgtt cttaggccca tattcatctg ctatgaaaag caagctacct gtactacaga aacatggaat aacccatata atatgcatac gacaaaatat tgaagcaaac tttattaaac caaactttca gcagttattt agatatttag tcctggatat tgcagataat ccagttgaaa atataatacg ttttttccct atgactaagg aatttattga tgggagctta caaatgggag gaaaagttct tgtgcatgga aatgcaggga tctccagaag tgcagccttt gttattgcat acattatgga aacatttgga atgaagtaca gagatgcttt tgcttatgtt caagaaagaa gattttgtat taatcctaat gctggatttg tccatcaact tcaggaatat gaagccatct acctagcaaa attaacaata cagatgatgt caccactcca gatagaaagg tcattatctg ttcattctgg taccacaggc agtttgaaga gaacacatga agaagaggat gattttggaa ccatgcaagt ggcgactgca cagaatggct ga
Molecular Weight	25,492 Da
OMIM	615814
Vector	pENTR223.1 or pUC
Clone Sequence Report	Provided with product shipment
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for STYX cdna clone	MBS1272878 is a cDNA clone targeting STYX.
Other Notes	Small volumes of STYX cdna clone vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for STYX. It may not necessarily be applicable to this product.

NCBI GI #	34193622
NCBI GeneID	6815
NCBI Accession #	BC020265
UniProt Secondary Accession #	Q99850; B9EJG0
UniProt Related Accession #	Q8WUJ0
NCBI Official Full Name	Homo sapiens serine/threonine/tyrosine interacting protein, mRNA
NCBI Official Synonym Full Names	serine/threonine/tyrosine interacting protein
NCBI Official Symbol	STYX
UniProt Protein Name	Serine/threonine/tyrosine-interacting protein
UniProt Synonym Protein Names	Protein tyrosine phosphatase-like protein
Protein Family	Serine/threonine/tyrosine-interacting protein
UniProt Gene Name	STYX
UniProt Entry Name	STYX_HUMAN

NCBI Protein Information	serine/threonine/tyrosine-interacting protein
NCBI Summary for STYX	The protein encoded by this gene is a pseudophosphatase, able to bind potential substrates but lacking an active catalytic loop. The encoded protein may be involved in spermiogenesis. Two transcript variants encoding the same protein have been found for these genes. [provided by RefSeq, Oct 2011]
UniProt Comments for STYX	STYX: Probable pseudophosphatase. 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. Seems to play a role in spermiogenesis. Belongs to the protein-tyrosine phosphatase family. Non-receptor class subfamily. Protein type: Protein phosphatase, tyrosine (non-receptor); Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: - Cellular Component: cytoplasm; nucleus Molecular Function: protein binding Biological Process: MAPK export from nucleus; spermatogenesis
Research Articles on STYX	**1.** results identify STYX as an important regulator of ERK1/2 signaling critical for cell migration
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