

Recombinant Mouse Styx Protein, Myc/DDK-tagged

Cat. No. Styx-6214M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length serine/threonine/tyrosine interaction protein (Styx), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Catalytically inactive phosphatase. Acts as a nuclear anchor for MAPK1/MAPK3 (ERK1/ERK2). Modulates cell-fate decisions and cell migration by spatiotemporal regulation of MAPK1/MAPK3 (ERK1/ERK2). By binding to the F-box of FBXW7, prevents the assembly of FBXW7 into the SCF E3 ubiquitin-protein ligase complex, and thereby inhibits degradation of its substrates. Plays a role in spermatogenesis.
Molecular Mass	25.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

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GENE INFORMATION

Gene Name	Styx serine/threonine/tyrosine interaction protein [<i>Mus musculus</i> (house mouse)]
Official Symbol	Styx
Synonyms	STYX; serine/threonine/tyrosine interaction protein; serine/threonine/tyrosine-interacting protein; protein tyrosine phosphatase-like protein; phosphoserine/threonine/tyrosine interaction protein; protein tyrosine phosphatase-like unspliced c-terminal product and spliced c-terminal end STYX; hStyxb; 0610039A20Rik; MGC106795
Gene ID	56291
mRNA Refseq	NM_019637
Protein Refseq	NP_062611
UniProt ID	Q60969

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