

Product datasheet for **TP502580**

Styx (NM_019637) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse serine/threonine/tyrosine interaction protein (Styx), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR202580 protein sequence Red =Cloning site Green =Tags(s)
	 MEDVKLEFPSLPQCKDDAEWYTPMRREMQEVLPLGLFLGPYSSAMKSKLPILQKHGITHIICIRQNIEN FIKPNFQQLFRYLVLADIADNPVENIIRFFPMTKEFIDGSLQNGGKVLVHGNAGISRSAAFVIAYIMETFG MKYRDAFAYVQERRFCINPNAGFVHQLQEYEAIYLAKLTIQMMSPLQIERSLAVHSGTTGSVKRTHEEDD DFGNMQVATAQNG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	25.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_062611
Locus ID:	56291
UniProt ID:	Q60969
RefSeq Size:	4258



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Cytogenetics: 14 C1

RefSeq ORF: 672

Synonyms: 0610039A20Rik; hStyxb

Summary: Catalytically inactive phosphatase (PubMed:7592916). Acts as a nuclear anchor for MAPK1/MAPK3 (ERK1/ERK2) (By similarity). Modulates cell-fate decisions and cell migration by spatiotemporal regulation of MAPK1/MAPK3 (ERK1/ERK2) (By similarity). 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 (By similarity). Plays a role in spermatogenesis (PubMed:11842224).[UniProtKB/Swiss-Prot Function]