

## Product datasheet for **TP508634**

### Yes1 (NM\_009535) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse YES proto-oncogene 1, Src family tyrosine kinase (Yes1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208634 representing NM_009535 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MGCIKSKENKSPAIKYTPENLTPEVSPSASHYGEHATVAPTSSTKGASVNFNSLSMTPEFGSSGVTPFG GASSFSVSSSYPTGLTGGVTIFVALDYDEARTTEDLSFKKGERFQIINTEGDWWEARSATGKSGYI PSNYVVPADSIQAEWYFGKMGRKDAERLLLNPNGNQRGIFLVRESETTKGAYLSIRDWDEVRGDNVHKY KIRKLDNGGYITTRAQFDTLQKLVKHYTEHADGLCHKLTTCPTVKPQTQGLAKDAWEIPRESLRLEV LGQGCFCGEVWMGTWNGTTKVAIKTLKPGTMMPEAFLQEAQIMKKLRHDKLVPLYAVVSEPIYIVTEFMS KGSLLDFLKEGDGKYLKLPQLVDMAAQIADGMAYIERMNYIHRDLRAANILVGENLICKIADFGLARLIE DNEYTARQGAKFPIKWTAPAAALYGRFTIKSDVWSFGILQTELVTKGRVPYPGMVNREVLEQVERGYRMP CPQGCPESLHELMNLCWKKDPDERPTFEYIQSFLEDYFTATEPQYQPGENL</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	61.1 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:	<u><a href="#">NP_033561</a></u>



[View online »](#)

<b>Locus ID:</b>	22612
<b>UniProt ID:</b>	<a href="#">Q04736</a> , <a href="#">Q3TJL7</a>
<b>RefSeq Size:</b>	4608
<b>Cytogenetics:</b>	5 17.33 cM
<b>RefSeq ORF:</b>	1623
<b>Synonyms:</b>	p61-Yes; Yes
<b>Summary:</b>	<p>Non-receptor protein tyrosine kinase that is involved in the regulation of cell growth and survival, apoptosis, cell-cell adhesion, cytoskeleton remodeling, and differentiation. Stimulation by receptor tyrosine kinases (RTKs) including EGFR, PDGFR, CSF1R and FGFR leads to recruitment of YES1 to the phosphorylated receptor, and activation and phosphorylation of downstream substrates. Upon EGFR activation, promotes the phosphorylation of PARD3 to favor epithelial tight junction assembly. Participates in the phosphorylation of specific junctional components such as CTNND1 by stimulating the FYN and FER tyrosine kinases at cell-cell contacts. Upon T-cell stimulation by CXCL12, phosphorylates collapsin response mediator protein 2/DPYSL2 and induces T-cell migration. Participates in CD95L/FASLG signaling pathway and mediates AKT-mediated cell migration. Plays a role in cell cycle progression by phosphorylating the cyclin dependent kinase 4/CDK4 thus regulating the G1 phase. Also involved in G2/M progression and cytokinesis (By similarity).[UniProtKB/Swiss-Prot Function]</p>