

## Product datasheet for TP527559

### ErbB3 (NM\_010153) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse erb-b2 receptor tyrosine kinase 3 (ErbB3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR227559 representing NM_010153 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSAIGTLQVLGFLLSLARGSEMGNLSQAVCPGTLNGLSVTGDADNQQYQTLTKLYEKCEVVMGNLEIVLTGH  
NADLSFLQWIREVTGYVLVAMNEFSVLPNLRVVRGTQVYDYGKFAIFVMLNYNTNSSHALRQLRFTQLT  
EILLGGVYIEKNDKLCHMDTIDWRDIVRVPDAEIVKNNGGNCPPCHEVCKGRCWGPDPEDCQILTCTIC  
APQCNGRCFGPNPNQCCHDECAGGCSGPQDTCFACRHFNDSGACVPRCPAPLVYNKLTFLQEPNPHIKY  
QYGGVCVASCPhNFVDQTFVCRACPADKMEVDKNGLKMCEPCRGLCPKACEGTGSGSRYQTVDSNIDG  
FVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNFRVTVREITGYLNIQSWPPHMHNFVSFSLTTIGG  
RSLYNRGFSLLIMKLNVTSLGFRSLKEISAGRVYISANQQLCYHHSLNWTRLLRGPAAERLDIKYNRPL  
GECVAEGKVCDPCLSSGGCWGPGPGQCLSCRNYSREGVCVTHCNVLQGPREFVHEAHCFSCHPECQPM  
GTSTCNGSGSDACARCAHFRDGPVCVNSCPHGILGAKGPIYKYPDAQNECRPCHENCTQGCKGPELQDCL  
GQAEVLMSPHLVIAVTVGLTVIFLILGGSFYWRGRRIQNKRAMRRYLERGESIEPLDPSEKANKVLAR  
IFKETELRKLKVLGSGVFGTVHKGIWIPEGESIKIPVICKVIKEDKSGRQSFQAVTDHMLAVGSLDHAHIV  
RLLGLCPGSSLQLVTQYLPLGSLLDHVRQHRETLPQQLLNWGVQIAKGMYYLEEHSMVHRDLALRNVML  
KSPSQVQVADFGVADLLPPDDKQLLHSEAKTPIKWMALSIHFGKYTHQSDVWSYGVTVWELMTFGAEPY  
AGLRLAEIPDLLEKGERLAQPQICTIDVYVMVCKWIMIDENIRPTFKELANEFTRMARDPPRYLVIKRAS  
GPGIPPAEPSALSTKELQDAELEPDLDLDDVEVEEEGLATTLGSALSPTGLTRPRGSQSLLSPSSG  
YMPMNQSNLGEACLDSAVLGGREQFSRPISLHIPRGRQTSSESEGHVTVGSEAEQERVSMCRSRSRSR  
PRPRGDSAYHSQRHSLTPVTPSPGLEEEDGNGYVMPDTHLRGTSSSREGTLSSVGLSSVLGTEEEDE  
DEEYEMNRKRRGSPARPPRPGSLEELGYEYMDVGSLSASLSTQSCPLHPMAIVPSAGTTPDEDYEM  
NRRRGAGGSGDYAAMGACPAAEQGYEEMRAFQGPQHAPHVRYARLKLRSLEATDSAFDNPDYWHSRL  
FPKANAQRI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	148.1 kDa



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<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C after receiving vials.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_034283</a>
<b>Locus ID:</b>	13867
<b>UniProt ID:</b>	<a href="#">Q61526</a>
<b>RefSeq Size:</b>	4020
<b>Cytogenetics:</b>	10 77.1 cM
<b>RefSeq ORF:</b>	4017
<b>Synonyms:</b>	C76256; Erbb-3; Erbb3r; Her3
<b>Summary:</b>	Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase. May also be activated by CSPG5. Involved in the regulation of myeloid cell differentiation. [UniProtKB/Swiss-Prot Function]