

Product datasheet for **MC224568**

ErbB3 (BC106091) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ErbB3 (BC106091) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	ErbB3
Synonyms:	C76256; ErbB-3; ErbB3r; Her3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>BC106091 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGTGGCATTGGGACTCTGCAGGTGCTGGGTTTCTTCTCAGCCTGGCCGGGGTTCCGAGATGGGCA
ACTCTCAGGCAGTATGTCCTGGGACTCTAAACGGGCTGAGTGTGACCGGGCATGCTGACAACCAGTACCA
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AATGCTGATCTTTCCTTCTGCAATGGATCCGAGAAGTGACAGGCTATGTACTGGTGGCCATGAATGAAT
TCTCTGTACTGCCCTTACCTAACCTCCGAGTGGTCCGGGGAACCCAGGTCTACGATGGGAAGTTGCCAT
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CTGGTCAGTGCTTGTCTTGTGCGAACTACAGCCGGGAAGGTGTCTGTGTGACTACTGCAACGTTCTGCA
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 CCCCACAGGGTTAGAGGAAGAGGATGGCAATGGTTATGTATGCCAGATACGCACCTCAGAGGTACATC
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 GATGAGGAGTATGAATACATGAACCGGAAGAGGAGGGTACCCCGCTCGGCCCCCAGACTGGTTCCC
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 TTGCCACTCCATCCCATGGCCATCGTGCCTCTGCTGGCAGACTCCAGATGAGGACTATGAATACATG
 AACCGCAGGCGTGGTGGGGCGGTTCCGGAGGGGATTATGCAGCTATGGGGCCTGCCACAGCTGAAC
 AAGGGTATGAGGAAATGCGAGCTTCCAGGGCCCTGGACATCAAGCCCCCATGTTCTGTTATGCCCGCT
 CAAAATCTGCGTAGTTTGAAGCCACTGACTCCGCTTTGACAACCCCGATTACTGGCATAGCAGGCTT
 TTCCTAAGGCTAACGCCAGAGAATTTGA

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** BC106091
- Insert Size:** 4020 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC106091](#), [AAI06092](#)

RefSeq Size: 4911 bp

RefSeq ORF: 4019 bp

Locus ID: 13867

Cytogenetics: 10 77.1 cM

Gene Summary: 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]