

Product datasheet for SC208188

Her2 (ERBB2) (NM_004448) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Her2 (ERBB2) (NM_004448) Human 3' UTR Clone
Symbol:	Her2
Synonyms:	CD340; HER-2; HER-2/neu; HER2; MLN 19; NEU; NGL; TKR1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_004448
Insert Size:	644 bp
Insert Sequence:	<p>>SC208188 3'UTR clone of NM_004448</p> <p>The sequence shown below is from the reference sequence of NM_004448. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
GAGTACCTGGGTCTGGACGTGCCAGTGTAACAGAAAGGCCAAGTCCGAGAAGCCCTGATGTGTCTC
AGGGAGCAGGGAAGGCCTGACTTCTGCTGGCATCAAGAGGTGGGAGGGCCCTCCGACCACTTCCAGGGG
AACCTGCCATGCCAGGAACCTGCTCTAAGGAACCTTCTTCTGCTTGAGTTCCAGATGGCTGGAAGG
GGTCCAGCCTCGTTGGAAGAGGAACAGCACTGGGGAGTCTTTGTGGATTCTGAGGCCCTGCCAATGAG
ACTCTAGGGTCCAGTGGATGCCACAGCCAGCTTGGCCCTTCTTCCAGATCCTGGGTACTGAAAGCC
TTAGGGAAGCTGGCCTGAGAGGGGAAGCGGCCCTAAGGGAGTGTCTAAGAACAAAAGCGACCCATTGAG
AGACTGTCCCTGAAACCTAGTACTGCCCCCATGAGGAAGGAACAGCAATGGTGTGAGTATCCAGGCTT
TGTACAGAGTGCTTTTCTGTTTGTGTTTACTTTTTTGTGTTTGTGTTTAAAGATGAAATAAAGACC
CAGGGGGAGAATGGGTGTTGTATGGGGAGGCAAGTGTGGGGGTCTTCTCCACACCCACTTTGTCCAT
TTGCAATATATTTTGGAAAACA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).


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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_004448.4</u>
Summary:	This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized. [provided by RefSeq, Jul 2008]
Locus ID:	2064
MW:	23.9