

Product datasheet for TP790102

Her2 (ERBB2) (NM_004448) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian) (ERBB2), transcript variant 1, full length, with C-terminal DDK tag,expressed in CHO cells;
Species:	Human
Expression Host:	СНО
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC212583, encoding human full-length ERBB2
Tag:	C-DDK
Predicted MW:	137.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 90% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 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.
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>NP 004439</u>
Locus ID:	2064
UniProt ID:	<u>P04626</u>
RefSeq Size:	4624
Cytogenetics:	17q12
RefSeq ORF:	3765
Synonyms:	CD340; HER-2; HER-2/neu; HER2; MLN 19; NEU; NGL; TKR1



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OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

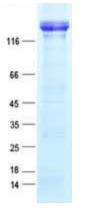
Serigene Her2 (ERBB2) (NM_004448) Human Recombinant Protein – TP790102

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]

Protein Families: Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:Adherens junction, Bladder cancer, Calcium signaling pathway, Endometrial cancer, ErbB
signaling pathway, Focal adhesion, Non-small cell lung cancer, Pancreatic cancer, Pathways in
cancer, Prostate cancer

Product images:



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