

Recombinant Human ERBB2 protein(S310Y), His-tagged

Cat. No. ERBB2-627H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human Her2 (S310Y), His Tag is expressed from human 293 cells (HEK293). It contains AA Thr 23 - Thr 652 (S310Y) (Accession # P04626-1(S310Y)).
Species	Human
Source	HEK293
ProteinLength	Thr 23 - Thr 652
Description	<p>Human Epidermal growth factor Receptor 2 (HER2) is also called ERBB2, HER-2,HER-2 /neu, NEU, NGL,TKR1 and c-erb B2,and is a protein giving higher aggressiveness in breast cancers. It is a member of the ErbB protein family, more commonly known as the epidermal growth factor receptor family. HER2 is a cell membrane surface-bound receptor tyrosine kinase and is normally involved in the signal transduction pathways leading to cell growth and differentiation. HER2 is thought to be an orphan receptor, with none of the EGF family of ligands able to activate it. Approximately 30% of breast cancers have an amplification of the HER2 gene or overexpression of its protein product. Overexpression of this receptor in breast cancer is associated with increased disease recurrence and worse prognosis. HER2 appears to play roles in development, cancer, communication at the neuromuscular junction and regulation of cell growth and differentiation.</p>
Predicted N Terminal	Thr 23
Form	Please contact us for detailed information.

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Molecular Mass	The protein has a calculated MW of 71.2 kDa.
Storage	<p>For long term storage, the product should be stored at lyophilized state at -20°C or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.</p>
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	ERBB2 erb-b2 receptor tyrosine kinase 2 [Homo sapiens (human)]
Official Symbol	ERBB2
Synonyms	ERBB2; CD340; HER-2/neu; HER2; MLN19; NEU; NGL; TKR1
Gene ID	2064
mRNA Refseq	NM_001005862.3
Protein Refseq	NP_001005862.1
MIM	164870
UniProt ID	P04626

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