

## Product datasheet for **TP724766**

### Her2 (ERBB2) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human ERBB2 (C-His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Cys511-Pro644
Tag:	C-His
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Note:	Recombinant Human ERBB2 (C-His) is produced by E.coli. The target gene encoding Cys511-Pro644 is expressed with a C-His tag.
Stability:	12 months from date of despatch
Locus ID:	2064
UniProt ID:	<a href="#">P04626</a>
Summary:	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 .



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