

## ERBB2 recombinant protein

Recombinant ERBB2 (676-1255) protein

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|------------------------------|----------------------------|
| CATALOG #<br><b>AAA60366</b> | HOST<br><b>Baculovirus</b> |
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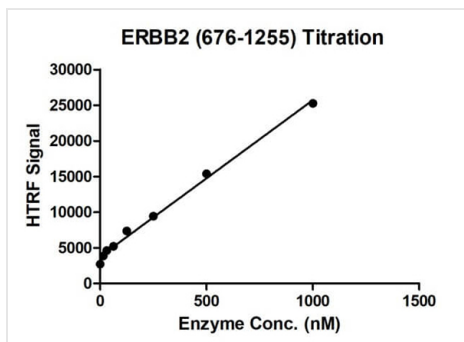
### PRODUCT SYNONYMS

ERBB2; Recombinant ERBB2 (676-1255) protein; HER2; NEU; CD340; ERBB2 recombinant protein

### PRODUCT SPECIFICATIONS

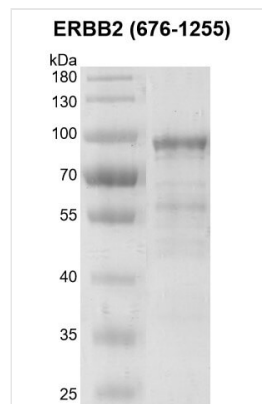
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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Baculovirus                                                                                                                                                                                                                                                               |
| Form/Format             | Recombinant ERBB2 (676-1255) protein is supplied in 25 mM HEPESNaOH pH 7.5, 300 mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5 mM TCEP.                                                                                                                                |
| Protein Species         | Human                                                                                                                                                                                                                                                                     |
| Protein Details         | Recombinant ERBB2 (676-1255) protein that includes amino acids 676-1255 of human ERBB2 protein (accession number NP_004439.2) was expressed in a baculovirus expression system, and contains an N-terminal DYKDDDDK tag. The molecular weight of the protein is 65.33kDa. |
| Preparation and Storage | Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage.                                                                              |

### IMAGES



#### Application Data

HTRF assay for ERBB2 (676-1255) activity 1uM TK substrate was incubated with different concentrations of ERBB2 (676-1255) protein in 10ul reaction system containing 1×Enzymatic Buffer, 5 mM MgCl<sub>2</sub>, 1 mM DTT, 1 mM MnCl<sub>2</sub>, 5 nM SEB and 100uM ATP for 1 hour. Then 10ul detection reagents containing anti-TK antibody (1:2) and SA-XL665 (1:100) diluted with 1× Detection Buffer were added and incubated with the reactions for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



#### SDS-PAGE

Recombinant ERBB2 (676-1255) protein 10% SDS-PAGE Coomassie staining MW: 65.33kDa Purity: >=90%

ADDITIONAL INFORMATION

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| Related Product Information for ERBB2 recombinant protein | ERBB2(Receptor tyrosine-protein kinase erbB-2) is a protein tyrosine kinase that is part of several cell surface receptor complexes, but that apparently needs a coreceptor for ligand binding. Essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. Regulates outgrowth and stabilization of peripheral microtubules (MTs). Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane. In turn, membranebound APC allows the localization of MACF1 to the cell membrane, which is required for microtubule capture and stabilization.In the nucleus is involved in transcriptional regulation. Associates with the 5'-TCAAATTC-3' sequence in the PTGS2/COX-2 promoter and activates its transcription. Implicated in transcriptional activation of CDKN1A; the function involves STAT3 and SRC. Involved in the transcription of rRNA genes by RNA Pol I and enhances protein synthesis and cell growth. |
| Product Categories/Family for ERBB2 recombinant protein   | Recombinant Proteins                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                  |          |
|------------------|----------|
| Molecular Weight | 65.33kDa |
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**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/erbb2-recombinant-protein-baculovirus/60366>