

PRODUCT INFORMATION

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|------------------------------|---|
| Target | ERBB4 |
| Synonyms | HER4; ALS19; p180erbB4 |
| Description | Recombinant human ERBB4 Protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | Q15303 |
| Expression Host | HEK293 |
| Tag | C-6×His tag |
| Molecular Characterization | ERBB4(Gln26-Pro651) 6×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 70.7 kDa after removal of the signal peptide. |
| Purity | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage & Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | This gene is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It encodes a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphatidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008] |
| Usage | Research use only |
| Conjugate | Unconjugated |



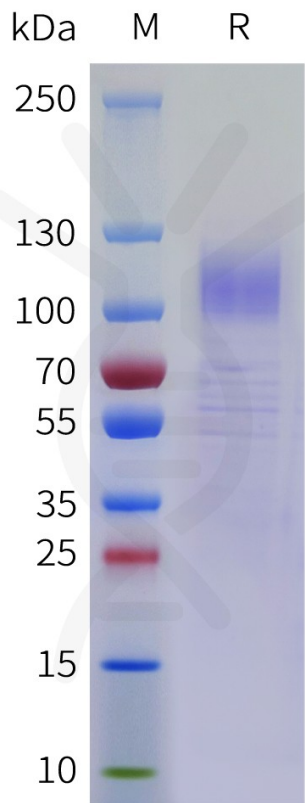


Figure 1. Human ERBB4 Protein, His Tag on SDS-PAGE under reducing condition.

