ALPHA DIAGNOSTIC INTERNATIONAL

Product Data Sheet

Life Technologies™ Your Molecular & Cell Technology Partner

☐ Cat # RP-745 Recombinant Human c-erbB2 **Size**: 2 ug

Receptor tyrosine kinases (RTKs) are the high-affinity cell surface receptors for many polypeptide growth factors, cytokines, and hormones. Of the 90 unique tyrosine kinase genes identified in the human genome, 58 encode receptor tyrosine kinase proteins. Receptor tyrosine kinases have been shown not only to be key regulators of normal cellular processes but also to have a critical role in the development and progression of many types of cancer. Receptor tyrosine kinases are part of the larger family of protein tyrosine kinases, encompassing the receptor tyrosine kinase proteins which contain a transmembrane domain, as well as the non-receptor tyrosine kinases which do not possess transmembrane domains.

c-erbB-2 is a receptor tyrosine kinase of the c-erbB family. It is closely related instructure to the epidermal growth factor receptor. c-erbB-2 oncoprotein is detectable in a proportion of breast and other adenocarconomas, as well as transitional cell carcinomas. In the case of breast cancer, expression determined by immunohistochemistry has been shown to be associated with poor prognosis.

Source: Human Recombinant Receptor tyrosine kinase erbB-2, is encoded by 537-636 amino acids expressed in E.coli and purified by chromatographic techniques. It has many synonyms like MLN 19, CD340 antigen, NEU, NGL, HER2, TKR1, HER-2, c-erb B2, HER-2/neu. It is supplied in 100 µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA and 20% Glycerol.

Storage and Stability: Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months. Avoid freeze-thaw cycles.

Application:

ELISA.
Inhibition Assays.
Western Blotting.

This item is for in vitro research only.

Related Items from ADI

Catalog#	Prod Description
RP-747	Recombinant (E.Coli) Human Tyrosine Kinase ErbB-3
RP-748	Recombinant (E.Coli, his tag) Human Tyrosine Kinase ErbB-2
SP-86883-1	Biotin-Tyrosine Kinase Peptide 1, amide (AA: Biotin-Lys-Val-Glu-Lys-Ile-Gly-Glu-Gly-Thr-Tyr-Gly-Val-Val-Tyr-Lys-NH2) (MW: 1895.27)
SP-101518-5	Biotin-RR-SRC, Insulin Receptor Tyrosine Kinase Substrate (AA: Biotin -Arg-Arg-Leu-Ile-Glu-Asp-Ala-Glu-Tyr-Ala-Ala-Arg-Gly) (MW: 1745.99)
SP-101516-5	pp60(v-SRC) Autophosphorylation Site, Protein Tyrosine Kinase Substrate (AA: Arg-Arg-Leu-Ile-Glu-Asp-Asn-Glu-Tyr-Thr-Ala-Arg-Gly) (MW: 1592.74)
SP-101378-1	Tyrosine Kinase Peptide 3 [RRLIEDAE-pY-AARG], Acetylated, Amide, Phosphorylated (AA: Ac-Arg-Arg-Leu-Ile-Glu-Asp-Ala-Glu-pTyr-Ala-Ala-Arg-Gly-NH2) (MW: 1640.75)
MA-20083	Mouse Monoclonal Anti-Human lymphocyte-specific protein tyrosine kinase (lck)
MA-20091	Mouse Monoclonal Anti-Human tyrosine kinase 2 (Tyk2)
MA-20332	Mouse Monoclonal Anti-Human AXL receptor tyrosine kinase (AXL
MA-20122	Mouse Monoclonal Anti-Human protein tyrosine kinase 6 (PTK6)
MA-20132	Mouse Monoclonal Anti-Human Brutons tyrosine kinase (BTK)
MA-20152	Mouse Monoclonal Anti-Human fer tyrosine kinase (FER)
MA-20153	Mouse Monoclonal Anti-Human c-mer proto-oncogene tyrosine kinase (MER)
MA-20168	Mouse Monoclonal Anti-Human serine/threonine/tyrosine kinase 1 (STYK1).
MA-20211	Mouse Monoclonal Anti-Human spleen tyrosine kinase (SYK)
MA-20212	Mouse Monoclonal Anti-Human PTK2B protein tyrosine kinase 2 beta (PYK2)
MA-20219	Mouse Monoclonal Anti-Human tyrosine kinase, non-receptor, 1 (TNK1)
MA-20242	Mouse Monoclonal Antibody to discoidin domain receptor tyrosine kinase 1 (DDR1)

RP-745-Human-Tyrosine-Kinase 151229SV

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