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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

ERBB4 (Human) Recombinant Protein (P01)

Catalog Number: H00002066-P01

Regulation Status: For research use only (RUO)

Product Description: Human ERBB4 full-length ORF (NP_005226.1, 1 a.a. - 1308 a.a.) recombinant protein with GST tag at N-terminal.

Sequence:

MKPATGLWVWVLLVAAGTVQPSDSQSVCAGTENKLS
SSLSLDLEQQYRALRKY YENCEVVMGNLEITSIEHNRDL
SFLRSVREVTGYVLVALNQFRYLPLENLRIRGKLYED
RYALAIFLNRYKDGNGFLQELGLKNLTELNGGVYVDQ
NKFLCYADTIHWQDIVRNPWPSNLTLVSTNGSSGCGR
CHKSCTGRCWGPTENHCQTLTRTVCAEQCDGRCYGY
PYVSDCCHRECAGGCSGPKDTCFACMNFNDSGAC
VTQCPQTFVYNPTTFQLEHNFNAKYTYGAFCKKCPH
NFVVDSSSCVRACPSSKMEVEENGIKMCKPCTDICPK
ACDGIGTGSLMSAQTVDSSNIDKFINCTKINGNLIFLVT
GIHGDPYNAIEAIDPEKLNVFRTVREITGFLNIQSWPPN
MTDFSVFNSNLVTIGGRVLYSGLSLLILKQQGITSLQFQS
LKEISAGNIYITDNSNLCYYHTINWTLFSTINQRIVIRDN
RKAENCTAEGMVCNHLCSDDGCWGPDPDQCLSCRR
FSRGRICIESCNLYDGEFREFENGSI CVECDPQCEKME
DGLLTCHGPGPDNCTKCSHFKDGPNVCEKCPDGLQG
ANSFIFKYADPDRECHPCHPNCTQGCNGPTSHDCIYY
PWTGHSTLPQHARTPLIAAGVIGGLFILVIVGLTFVYVY
RRRSIKKKRALRRFLETELVEPLTPSGTAPNQAQLRILK
ETELKRVKVLGSGAFGTVYKGIWVPEGETVKIPVAIKIL
NETTGPKANVEFMDEALIMASMDHPLVRLGLVCLSP
TIQLVTQLMPHGCLLEYVHEHKDNIGSQQLLLNWCVQIA
KGMMYLEERRLVHRDLAARNVLVKSPNHVKITDFGLA
RLLEGDEKEYNADGGKMPIKWMALECIHYRKFTHQSD
VWSYGVTIWELMTFGGKPYDGIPREIPDLLEKGERLP
QPPICTIDVYVMVVKCWMIDADSRPKFKELAAEF SRM
ARDPQRYLVIQGGDRMKLPSPNDSKFFQNLLEEDLE
DMMDAEEYLVPQAFNIPPIYTSRARIDSNRSEIGHSP
PPAYTPMSGNQFVYRDGGFAAEQGVSPYRAPSTIP
EAPVAQGATAEIFDDSCCNGLTRKPVAPHVQEDSSTQ
RYSADPTVFAPERSPRGELDEEGYMTMPMRDKPKQEY
LNPVEENPFVSRKNGDLQALDNPEYHNASNGPPKA
EDEYVNEPLYLNTFANTLGKAEYLKNNILSMPEKAKKA
FDNPDYWNHSLPPRSTLQHPDYLQEYSTKYFYKQNG
RIRPIVAENPEYLSEFSLKPGTVLPPPPYRHRNTVV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 169.51

Interspecies Antigen Sequence: Mouse (96)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2066

Gene Symbol: ERBB4

Gene Alias: HER4, MGC138404, p180erbB4

Gene Summary: 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]