

Recombinant Human PTK6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PTK6-2801H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PTK6 MS Standard C13 and N15-labeled recombinant protein (NP_005966) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a cytoplasmic nonreceptor protein kinase which may function as an intracellular signal transducer in epithelial tissues. Overexpression of this gene in mammary epithelial cells leads to sensitization of the cells to epidermal growth factor and results in a partially transformed phenotype. Expression of this gene has been detected at low levels in some breast tumors but not in normal breast tissue. The encoded protein has been shown to undergo autophosphorylation. Alternative splicing results in multiple transcript variants.
Molecular Mass	51.7 kDa
AA Sequence	MVSRDQAHLGPKYVGLWDFKSRTDEELSFRA GDV FHV ARKEEQWWWATLLDEAG GAVAQGYVPHNYLAERETVESEPWF FGCISRSEAVRRLQAEGNATGAFLIRVSEKP SADYVLSVRDTQAVRH YKI WRRAGGRLHLNEAVSFLSLPELVNYHRAQSLSHGLRL AAPCRKHEPEPLPHWDDWERPREEFTLCRKL GSGYFGEVFEG LWKDRVQVAIKVIS RDNLLHQMLQSEIQAMKKLRHKHILALYAVVSVGDPVYIITELMAKGS LLELLRDS EKVLPVSELLDI AWQVAEGMCYLESQNYIHRDLAARNILVGENTLCKVGDFGLARLIK

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EDVYLSDHNIPIYKWTAPEALSRGHYSTKSDVWSFGILLHEMFSGQVPYPGMSNH
EAFLRVDAGYRMPCPLECPPSVHKLMLTCWCRDPEQRPCFKALRERLSSFTSYEN
PTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PTK6 PTK6 protein tyrosine kinase 6 [Homo sapiens (human)]

Official Symbol PTK6

Synonyms PTK6; PTK6 protein tyrosine kinase 6; protein-tyrosine kinase 6; BRK; breast tumor kinase; protein-tyrosine kinase BRK; tyrosine-protein kinase BRK; FLJ42088;

Gene ID 5753

mRNA Refseq NM_005975

Protein Refseq NP_005966

MIM 602004

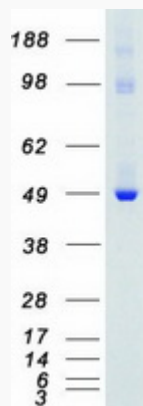
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UniProt ID Q13882

SDS-PAGE



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