

Bioactive

PTK6 (Human) Recombinant Protein

Catalog # P6471

Size 5 ug

Applications

Result of activity analysis

Result of activity analysis

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Specification

Product Description	Human PTK6 (NP_005966.1, 2 a.a. - 451 a.a.) partial recombinant protein with GST-tag at N-terminal using baculovirus expression system.
Host	Viruses
Form	Liquid
Preparation Method	Baculovirus expression system.
Purification	Glutathione sepharose chromatography.
Purity	0.97
Activity	The activity was measured by off-chip mobility shift assay (MSA). The enzyme was incubated with fluorescence-labeled substrate and Mg (or Mn)/ATP. The phosphorylated and unphosphorylated substrates were separated and detected by MSA device. Substrate: Blk/Lyntide, ATP: 500 uM.
Quality Control Testing	The purity was assessed by SDS-PAGE/CBB staining.
Storage Buffer	50 mM Tris-HCl, 150 mM NaCl, 0.05% Brij35, 1 mM DTT, 10% glycerol, pH7.5
Storage Instruction	Stored at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Result of activity analysis
Result of activity analysis

Applications

- Functional Study

Gene Info — PTK6

Entrez GeneID [5753](#)

Protein Accession# [NP_005966.1](#)

Gene Name PTK6

Gene Alias BRK, FLJ42088

Gene Description PTK6 protein tyrosine kinase 6

Omim ID [602004](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000031656|breast tumor kinase|protein-tyrosine kinase BRK

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)