

Recombinant Human EphB4/HTK Protein (aa 563-987, His & GST Tag)

Catalog No. PKSH030418

Note: Centrifuge before opening to ensure complete recovery of vial contents.

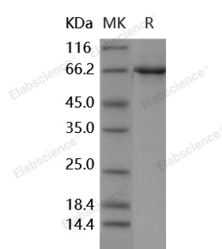
Description

Synonyms	HTK;MYK1;TYRO11
Species	Human
Expression Host	Baculovirus-Insect Cells
Sequence	Leu563-Tyr987
Accession	P54760
Calculated Molecular Weight	75.2 kDa
Observed molecular weight	66 kDa
Tag	N-His-GST
Bioactivity	The specific activity was determined to be 47 nmol/min/mg using Poly(Glu:Tyr) 4:1 as substrate.

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
Shipping	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < -20°C.
Formulation	Supplied as sterile solution of 20mM Tris, 500mM NaCl, pH 8.0, 3mM DTT, 10% glycerol
Reconstitution	Not Applicable

Data



> 90 % as determined by reducing SDS-PAGE.

Background

Ephrin type-B receptor 4 is a protein that in humans is encoded by the EPHB4 gene. It is a single-pass type I membrane protein belonging to the ephrin receptor subfamily of protein kinase superfamily. Members of the ephrin and Eph family are local mediators of cell function through largely contact-dependent processes in development and in maturity. Furthermore, EphB4 protein and the corresponding ligand Ephrin-B2 contribute to tumor growth in various human

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tumors. EphB4 protein has tumor suppressor activities and that regulation of cell proliferation, extracellular matrix remodeling, and invasive potential are important mechanisms of tumor suppression. Therefore, Ephrin-B2/EphB4 may be recognized as a novel prognostic indicator for cancers.