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

Catalog Number: PKSH030418

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

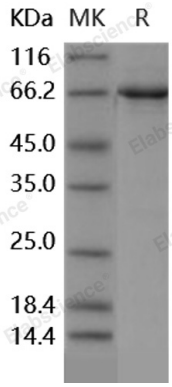
Description

Species	Human
Source	Baculovirus-Insect Cells-derived Human EphB4/HTK protein Leu563-Tyr987, with an N-terminal His & GST
Calculated MW	75.2 kDa
Observed MW	66 kDa
Accession	P54760
Bio-activity	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.
Concentration	Subject to label value.
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

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 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.

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