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Recombinant Human EphA3/ETK Kinase

Catalog No.: RP03392LQ Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	2042	P29320

Tags
N-GST

Synonyms
EPHA3; ETK; ETK1; HEK; TYRO4; EPH-like kinase 4; EK4; hEK4; Human embryo kinase; Ephrin type-A receptor 3

Product Information

Source	Purification
Baculovirus-Insect Cells	≥ 85% as determined by SDS-PAGE;≥ 85% as determined by HPLC.

Calculated MW	Observed MW
71.9 kDa	60-70 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Supplied as a 0.22 μm filtered solution in 50 mM Tris-HCl, 150 mM NaCl, 20% glycerol, 5 mM DTT, 0.1 M Trehalose. (pH 7.5). Contact us for customized product form or formulation.

Reconstitution
Please use running water to thaw it quickly.

Contact

400-999-6126

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Background

EPH receptor A3 (ephrin type-A receptor 3) is a protein that in humans is encoded by the EPHA3 gene. This gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. Receptors in the EPH subfamily typically have a single kinase domain and an extracellular region containing a Cys-rich domain and 2 fibronectin type III repeats. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. This gene encodes a protein that binds ephrin-A ligands. Two alternatively spliced transcript variants have been described for this gene. EPH receptor A3 has been shown to interact with EFNB2 and EFNA5.

Basic Information

Description
Recombinant Human EphA3/ETK Kinase is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Lys579-Val983) of Human EPHA3 (Accession #P29320) fused with a N-GST tag.

Bio-Activity
The activity of EPHA3 is based on the MSA technology, and the content and ratio of the substrate and the product are directly separated and detected in real time and dynamically by the different migration rates of the substrate and the product after the enzymatic reaction.

Shipping
The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70°C. This product is stable at ≤ -70°C for up to 1 year from the date of receipt. For optimal storage, aliquot into smaller quantities after centrifugation and store at recommended temperature.
Aliquots below 10 μL are not advisable. Product must not be stored in diluted solutions. Avoid repeated freeze-thaw cycles.
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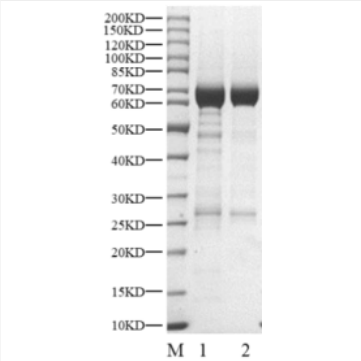
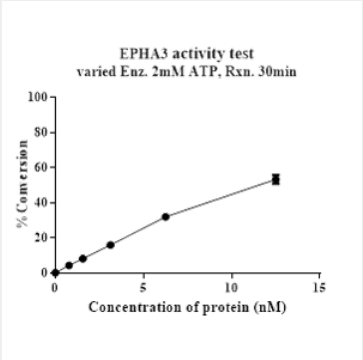
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Validation Data



Recombinant Human EphA3/ETK Kinase was resolved with SDS-PAGE under reducing (Lane 1) and non-reducing (Lane 2) conditions.



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