

EPHA5 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P77932
Synonyms:	EHK-1; EK7; BSK; EHK1; HEK7; TYRO4; EphA5; Rek7; TYRO4HEK7CEK7
Species:	Mouse
Source:	HEK293
Accession:	Q60629 (P27-P412)
Gene ID:	13839
Molecular Weight:	48-55 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	EPHA5 protein is a promiscuous receptor tyrosine kinase that binds to GPI-anchored ephrin-A ligands on neighboring cells, initiating contact-dependent bidirectional signaling. It exhibits forward signaling, while the ephrin ligand triggers reverse signaling. Among the ephrin-A ligands, EFNA5 is likely the functional ligand for EPHA5. EPHA5 functions as an axon guidance molecule during development, playing a role in the development of various pathways in the brain. It also contributes to synaptic plasticity in the adult brain by regulating synaptogenesis. Furthermore, EPHA5 interacts with EFNA5 to facilitate communication between pancreatic islet cells, thereby regulating glucose-stimulated insulin secretion.
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Caution: Product has not been fully validated for medical applications. For research use only.

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