

EphA6 Protein, Mouse (HEK293, Fc)

Cat. No.:	HY-P75744
Synonyms:	Ephrin type-A receptor 6; EPH homology kinase 2; EHK-2; EphA6
Species:	Mouse
Source:	HEK293
Accession:	Q62413 (M1-Q546)
Gene ID:	13840
Molecular Weight:	Approximately 110 kDa

PROPERTIES

Biological Activity	The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The EphA6 protein, a receptor tyrosine kinase, exhibits promiscuous binding to GPI-anchored ephrin-A family ligands on adjacent cells, initiating contact-dependent bidirectional signaling into neighboring cells. The downstream pathway originating from the receptor is termed forward signaling, while the pathway downstream of the ephrin ligand is referred to as reverse signaling, as indicated by similarity to other Eph receptors. This interaction highlights EphA6's role in mediating intricate signaling exchanges between cells, contributing to diverse cellular processes through bidirectional communication.
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Caution: Product has not been fully validated for medical applications. For research use only.

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