

Datasheet for ABIN7195533

**EPH Receptor A6 Protein (Epha6) (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	200 µg
Target:	EPH Receptor A6 (Epha6)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This EPH Receptor A6 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Mouse EphA6/EHK-2 Protein (His Tag)(Active)
Sequence:	Met 1-Gln 546
Characteristics:	A DNA sequence encoding the extracellular domain of mouse EphA6 (NP_031964.2) (Met 1-Gln 546) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 97 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse EphA6 at 2 µg/ml (100 µl/well) can bind recombinant human EphrinA3 at a linear range of 0.31-10 ng/ml.

## Target Details

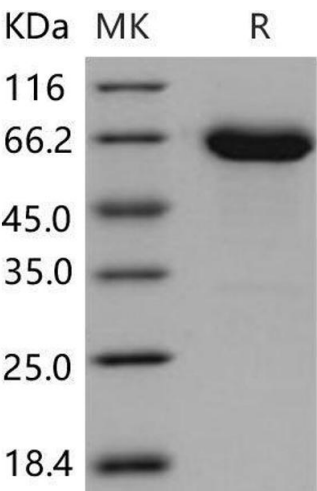
Target:	EPH Receptor A6 (Epha6)
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## Target Details

Alternative Name:	EphA6/EHK-2 ( <a href="#">Epha6 Products</a> )
Background:	<p>Background: Ephrin type-A receptor 6, also known as EphA6 or EHK2, belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family which 16 known receptors (14 found in mammals) are involved: EPHA1, EPHA2, EPHA3, EPHA4, EPHA5, EPHA6, EPHA7, EPHA8, EPHA9, EPHA10, EPHB1, EPHB2, EPHB3, EPHB4, EPHB5, EPHB6. The Eph family of receptor tyrosine kinases (comprising EphA and EphB receptors) has been implicated in synapse formation and the regulation of synaptic function and plasticity<sup>6</sup>. Eph receptor-mediated signaling, which is triggered by ephrins<sup>7</sup>, probably modifies the properties of synapses during synaptic activation and remodeling. Ephrin receptors are components of cell signalling pathways involved in animal growth and development, forming the largest sub-family of receptor tyrosine kinases (RTKs). Ligand-mediated activation of Ephs induce various important downstream effects and Eph receptors have been studied for their potential roles in the development of cancer. In the vomeronasal system, Ephrin-A5/EphA6 interactions mediate attraction or adhesion rather than repulsion.</p> <p>Synonym: Ehk2;Hek12;m-ehk2</p>
Molecular Weight:	59.5 kDa
NCBI Accession:	<a href="#">NP_031964</a>
Pathways:	<a href="#">RTK Signaling</a>

## Application Details

Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



**Western Blotting**

**Image 1.**