

Recombinant Rat EphA5

Cat. No. Epha5-503R **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Rat
Source	Mammalian Cells
Description	EPH receptor A5 (EPHA5) is a glycoprotein that is expressed by astrocytes and skeletal muscle. It provides guidance cues for retinal ganglion cells and is essential for proper retinal axon guidance and topographic mapping in the mammalian visual system. Ephrin A5 serves as a general inhibitor of axonal growth from limbic neurons. It also plays a role in motor axon outgrowth and pathfinding to the hindlimb.
Molecular Weight	The predicted molecular weight of Recombinant Rat EphA5 is Mr 84 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 110 kDa.
State Of Matter	Lyophilized.
Purity	>95% by SDS Page and analyzed by silver stain.
Endotoxin	<0.1 ng per 1 g as determined by the LAL method.
Storage And Stability	The lyophilized protein should be stored desiccated at -20°C. The reconstituted protein can be stored for at least one week at 4°C. For long-term storage of the reconstituted protein, aliquot into working volumes and store at -20°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

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GENE INFORMATION

Gene Name	Epha5 EphA5 [Rattus norvegicus]
Synonyms	Epha5; EphA5; Els1; ephrin receptor EphA5; eck-like sequence 1
Gene ID	79208
mRNA Refseq	NM_001169137
Protein Refseq	NP_001162608
UniProt ID	P97604
Chromosome Location	14p21
Pathway	Axon guidance

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