Datasheet for ABIN7519947

# Ephrin A2 Protein (EFNA2) (His tag)

Go to Product page

## Overview

| | |
|---|---|
| Quantity: | 20 µg |
| Target: | Ephrin A2 (EFNA2) |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Ephrin A2 protein is labelled with His tag. |

## Product Details

| | |
|---|---|
| Purpose: | Active Recombinant Mouse Ephrin-A2/EFNA2 Protein |
| Sequence: | RNEDPARANA DRYAVYWNRS NPRFQVSAVG DGGGYTVEVS INDYLDIYCP HYGAPLPPAE RMERYILYMV NGEGHASCDH RQRGFKRWEC NRPAAPGGPL KFSEKFQLFT PFSLGFEFRP GHEYYYISAT PPNLVDRPCL RLKVYVRPTN ETLYEAPEPI FTSN |
| Specificity: | Arg21-Asn184 |
| Purity: | > 95 % by SDS-PAGE. |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | <0.1EU/µg |

## Target Details

| | |
|---|---|
| Target: | Ephrin A2 (EFNA2) |
| Alternative Name: | Ephrin-A2/EFNA2 (EFNA2 Products) |

## Target Details

| | |
|---|---|
| Background: | Description: Ephrin-A2 also known as EFNA2 or EPH-related receptor tyrosine kinase ligand 6, is a member of the ephrin family. The Eph family receptor interacting proteins (ephrins) are a family of proteins that serve as the ligands of the Eph receptor, which compose the largest known subfamily of receptor protein-tyrosine kinases (RTKs). Ephrin-A2 and their Eph family of receptor tyrosine kinases are expressed by cells of the SVZ. Eph/ephrin interactions are implicated in axon guidance, neural crest cell migration, establishment of segmental boundaries, and formation of angiogenic capillary plexi. Ephrin subclasses are further distinguished by their mode of attachment to the plasma membrane: ephrin-A ligands bind EphA receptors and are anchored to the plasma membrane via a glycosylphosphatidylinositol (GPI) linkage, whereas ephrin-B ligands bind EphB receptors and are anchored via a transmembrane domain. Ephrin-A2 regulates the position-specific affinity of limb mesenchyme and is involved in cartilage pattern formation in the limb.<br>Name: Elf1,Epl6,CEK7L,Eplg6,Lerk6,EFNA2 |
| Gene ID: | 13637 |
| UniProt: | P52801 |

## Application Details

| | |
|---|---|
| Restrictions: | For Research Use only |

## Handling

| | |
|---|---|
| Format: | Lyophilized |
| Reconstitution: | Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid votex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles. |
| Buffer: | Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | Store the lyophilized protein at -20°C to -80°C for 12 months.\|After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. |