Datasheet for ABIN7596363

# Ephrin A3 Protein (EFNA3) (AA 23-214) (hIgG-His-tag)

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## Overview

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| Quantity: | 500 µg |
| Target: | Ephrin A3 (EFNA3) |
| Protein Characteristics: | AA 23-214 |
| Origin: | Human |
| Source: | Baculovirus infected Insect Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This Ephrin A3 protein is labelled with hIgG-His-tag. |
| Application: | SDS-PAGE (SDS) |

## Product Details

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| Sequence: | QGPGGAL GNRHAVYWNS SNQHLRREGY TVQVNVNDYL DIYCPHYNSS GVGPGAGPGP GGGAEQYVLY MVSRNGYRTC NASQGFKRWE CNRPHAPHSP IKFSEKFQRY SAFSLGYEFH AGHEYYYIST PTHNLHWKCL RMKVFVCCAS TSHSGEKPVP TLPQFTMGPN VKINVLEDFE GENPQVPKLE KSISG |
| Purity: | > 90% by SDS-PAGE |
| Endotoxin Level: | < 1 EU per 1ug of protein (determined by LAL method) |

## Target Details

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| Target: | Ephrin A3 (EFNA3) |
| Alternative Name: | Ephrin-A3 (EFNA3 Products) |
| Background: | Ephrin-A3, also known as EFNA3, is a member of the ephrin family. The ephrins and EPH- |

## Target Details

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| | related receptors comprise the largest subfamily of receptor protein-tyrosine kinases and have been implicated in mediating developmental events, especially in the nervous system and in erythropoiesis. This protein activates EphA4 on hippocampal neurons to regulate dendritic spine morphology and long term potentiation. The same interaction induces reverse signaling through it to regulate glutamate uptake by the astrocyte and the availability of glutamate in the synapse. Astrocyte-expressed Ephrin-3 also interacts with EphA7 to inhibit the proliferation of neural progenitor cells. Recombinant human Ephrin-A3, fused to hIgG-His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques. |
| Molecular Weight: | 48.7 kDa (434aa) |
| NCBI Accession: | NP_004943 |
| Pathways: | RTK Signaling |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions: | For Research Use only |

## Handling

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| Format: | Liquid |
| Concentration: | 0.5 mg/mL |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles. |