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Datasheet for ABIN7317557

EPH Receptor A3 Protein (EPHA3) (His tag)

Overview

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| Quantity: | 100 µg |
| Target: | EPH Receptor A3 (EPHA3) |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This EPH Receptor A3 protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human EphA3 Protein (His Tag)(Active) |
| Sequence: | Met 1-Gln541 |
| Characteristics: | A DNA sequence encoding the human EPHA3 (Met1-Gln541) was expressed with a polyhistidine tag at the C-terminus. |
| Purity: | > 95 % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg as determined by the LAL method. |
| Biological Activity Comment: | Measured by its binding ability in a functional ELISA. Immobilized human EPHA3-His at 10 µg/ml (100 µl/well) can bind human EphrinA5-Fc, The EC50 of human EphrinA5-Fc is 6.2-14.6 ng/ml. |

Target Details

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| Target: | EPH Receptor A3 (EPHA3) |
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Target Details

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| Alternative Name: | EphA3 (EPHA3 Products) |
| Background: | <p>Background: EPHA3 gene belongs to the ephrin receptor subfamily of the protein-tyrosine kinase family. EPH and EPH-related receptors have been implicated in mediating developmental events, particularly in the nervous system. The ephrin receptors are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. EPHA3 gene encodes a protein that binds ephrin-A ligands. EPHA3 is involved in the retinotectal mapping of neurons. It may also control the segregation but not the guidance of motor and sensory axons during neuromuscular circuit development.</p> <p>Immune Checkpoint Immunotherapy Cancer Immunotherapy Targeted Therapy</p> <p>Synonym: EK4;ETK;ETK1;HEK;HEK4;TYRO4</p> |
| Molecular Weight: | 60.3 kDa |
| NCBI Accession: | NP_005224 |
| Pathways: | RTK Signaling, Regulation of Cell Size |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| 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: | 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 < -20°C for 3 months. |