

Datasheet for ABIN7195557

EPH Receptor B4 Protein (EPHB4) (His tag)[Go to Product page](#)**1** Image

Overview

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|-------------------------------|--|
| Quantity: | 200 µg |
| Target: | EPH Receptor B4 (EPHB4) |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This EPH Receptor B4 protein is labelled with His tag. |

Product Details

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|------------------------------|--|
| Purpose: | Recombinant Mouse EphB4/HTK Protein (His Tag)(Active) |
| Sequence: | Met 1-Ala 539 |
| Characteristics: | A DNA sequence encoding the mouse EPHB4 (P54761-1) extracellular domain (Met 1-Ala 539) was fused with a polyhistidine tag at the C-terminus. |
| Purity: | > 98 % 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 mouse EphB4 at 2 µg/ml (100 µl/well) can bind mouse EphrinB2 with a linear range of 0.2-25 ng/ml. |

Target Details

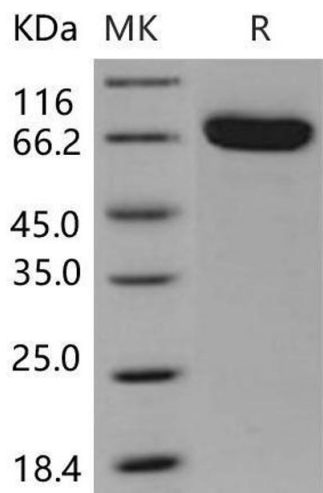
| | |
|---------|-------------------------|
| Target: | EPH Receptor B4 (EPHB4) |
|---------|-------------------------|

Target Details

| | |
|-------------------|--|
| Alternative Name: | EphB4/HTK (EPHB4 Products) |
| Background: | <p>Background: Ephrin type-B receptor 4 is a protein that in humans is encoded by the EPHB4 gene. It is a single-pass type I membrane protein belonging to the ephrin receptor subfamily of protein kinase superfamily. Members of the ephrin and Eph family are local mediators of cell function through largely contact-dependent processes in development and in maturity.</p> <p>Furthermore, EphB4 protein and the corresponding ligand Ephrin-B2 contribute to tumor growth in various human tumors. EphB4 protein has tumor suppressor activities and that regulation of cell proliferation, extracellular matrix remodeling, and invasive potential are important mechanisms of tumor suppression. Therefore, Ephrin-B2/EphB4 may be recognized as a novel prognostic indicator for cancers.</p> <p>Synonym: AI042935,Htk,MDK2,Myk1,Tyro11</p> |
| Molecular Weight: | 59 kDa |
| Pathways: | RTK Signaling |

Application Details

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| 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.</p> <p>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.</p> |



Western Blotting

Image 1.