# PARVA/alpha-Parvin Protein, Human (GST)

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| **Cat. No.:** | HY-P76535 |
| **Synonyms:** | Alpha-parvin; Actopaxin; CH-ILKBP; PARVA; MXRA2 |
| **Species:** | Human |
| **Source:** | E. coli |
| **Accession:** | Q9NVD7 (M1-E372) |
| **Gene ID:** | 55742 |
| **Molecular Weight:** | Approximately 69 kDa |

## PROPERTIES

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| **Appearance** | Lyophilized powder. |
| **Formulation** | Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. |
| **Endotoxin Level** | <1 EU/μg, determined by LAL method. |
| **Reconsititution** | It is not recommended to reconstitute to a concentration less than 100 μg/mL in $ddH_2O$. |
| **Storage & Stability** | Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage. |
| **Shipping** | Room temperature in continental US; may vary elsewhere. |

## DESCRIPTION

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| **Background** | PARVA/alpha-Parvin protein is instrumental in sarcomere organization and the contraction of smooth muscle cells. Its significance extends to the normal development of the embryonic cardiovascular system, particularly in the septation of the heart outflow tract. Additionally, it plays a crucial role in sprouting angiogenesis and contributes to the adhesion of vascular smooth muscle cells to endothelial cells during blood vessel development. PARVA is actively involved in actin cytoskeleton reorganization, lamellipodia formation, ciliogenesis, cell polarity establishment, adhesion, spreading, and directed cell migration. Its interactions with various proteins, including TGFB1I1, LIMS1, ARHGAP31, ILK, TESK1, and PXN/PAXILLIN, highlight its engagement in intricate cellular processes and signaling pathways. |



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