

## Recombinant Human Paxillin, GST-tagged

**Cat. No.** PXN-2413H    **Lot. No.** (See product label)

### SPECIFICATION

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>        | Recombinant Human paxillin encoding 356-558 aa was expressed in <i>E. coli</i> . It was fused with a GST tag at the N-terminus.                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Species</b>                 | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>                  | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Length</b>          | 356-558 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>             | Paxillin is a focal adhesion protein and a substrate for several tyrosine kinases such as src, FAK, and p210BRC/ABL. The tyrosine phosphorylation of paxillin is affected by conditions that change cell-cell adhesion. Paxillin associates tightly with FAK and Crk through its SH2 domain. This interaction is independent of the extracellular matrix. Although paxillin was initially discovered in fibroblasts, its phosphorylation may also be important during neurite extension during differentiation. |
| <b>Presentation</b>            | 100µl purified human Lyn protein at 100µg/ml in 50mM Tris-Acetate, pH7.5, 1mM EDTA, 20% Glycerol without BSA and Sodium Azide.                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>            | ELISA•Inhibition Assays• Western Blotting.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Characterization</b>        | On SDS-PAGE commassie blue stained gel, the purified recombinant protein shows a band at 48 kDa (including GST).                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Storage &amp; Stability</b> | Store vial at -20°C to -80°C. When stored at the recommended temperature, this                                                                                                                                                                                                                                                                                                                                                                                                                                  |

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protein is stable for 12 months.

## GENE INFORMATION

|                            |                                                                                                                                                                                                                |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | PXN paxillin [ Homo sapiens ]                                                                                                                                                                                  |
| <b>Synonyms</b>            | PXN; paxillin; FLJ16691; Paxillin                                                                                                                                                                              |
| <b>Gene ID</b>             | 5829                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>         | NM_001080855                                                                                                                                                                                                   |
| <b>Protein Refseq</b>      | NP_001074324                                                                                                                                                                                                   |
| <b>UniProt ID</b>          | P49023                                                                                                                                                                                                         |
| <b>Chromosome Location</b> | 12q24                                                                                                                                                                                                          |
| <b>MIM</b>                 | 602505                                                                                                                                                                                                         |
| <b>Pathway</b>             | Chemokine signaling pathway; Focal adhesion; Leukocyte transendothelial migration; Regulation of actin cytoskeleton; VEGF signaling pathway; Cell junction organization; Muscle contraction; Signaling by EGFR |
| <b>Function</b>            | metal ion binding; protein binding; vinculin binding; zinc ion binding                                                                                                                                         |

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