# Recombinant Human SHPK, Gly&Pro tagged

**Cat. No.** SHPK-265H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human SHPK (NP_037408.2) (Ala2-Ser478), fused with two additional amino acids (Gly&Pro) at the N-terminus, was produced in Baculovirus-Insect cells. |
| **Species** | Human |
| **Source** | Insect Cells |
| **ProteinLength** | 2-478 a.a. |
| **Predicted N Terminal** | Gly |
| **Form** | Lyophilized from sterile 20mM Tris, 500mM NaCl, 3mM DTT, 10% glycerol, pH 7.4.Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. |
| **Molecular Mass** | The recombinant human SHPK consists of 479 amino acids and has a calculated molecular mass of 51.5 kDa. The recombinant protein migrates as an approximately 47 kDa band in SDS-PAGE under reducing conditions. |
| **Endotoxin** | < 1.0 eu per μg of the protein as determined by the LAL method. |
| **Purity** | >85 % as determined by SDS-PAGE |
| **Stability** | Samples are stable for up to twelve months from date of receipt at -70oC. |

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| **Storage** | Store it under sterile conditions at -20oC~-70oC. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| **Reconstitution** | It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4℃ before opening to recover the entire contents. |

## GENE INFORMATION

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| **Gene Name** | SHPK sedoheptulokinase [ Homo sapiens ] |
| **Official Symbol** | SHPK |
| **Gene ID** | 23729 |
| **mRNA Refseq** | NM_013276 |
| **Protein Refseq** | NP_037408 |
| **MIM** | 605060 |
| **UniProt ID** | Q9UHJ6 |
| **Chromosome Location** | 17p13 |

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