

Recombinant Human SHPK, Gly&Pro tagged

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

SPECIFICATION

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°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	SHPK sedoheptulokinase [Homo sapiens]
Official Symbol	SHPK
Gene ID	23729
mRNA Refseq	NM_013276
Protein Refseq	NP_037408
MIM	605060
UniProt ID	Q9UJH6
Chromosome Location	17p13