



# Recombinant Human Glypican-4 (GPC4)

<b>Product Code</b>	CSB-EP009706HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O75487
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>AL LAAELKSKSC SEVRRLYVSK GFNKNDAPLH EINGDHLKIC  PQGSTCCSQE MEEKYSLQSK DDFKSVVSEQ CNHLQAVFAS RYKKFDEFFK  ELLENAEKSL NDMFVKTYGH LYMQNSELFK DLFVELKRYV VVGNVNLEEM  LNDFWARLLE RMFRLVNSQY HFTDEYLECV SKYTEQLKPF GDVPRKLLKQ  VTRAFVAART FAQGLAVAGD VVSKVSVVNP TAQCTHALLK MIYCSHCRGL  VTVKPCYNYC SNIMRGCLAN QGDLDFEWN FIDAMLMVAE RLEGPFNIES  VMDPIDVKIS DAIMNMQDNS VQVSQKVFQG CGPPKPLPAG RISRSISESA  FSARFRPHHP EERPTTAAGT SLDRLVTDVK EKLKQAKKFW SSLPSNVCND  ERMAAGNGNE DDCWNGKGS RYLFAVTGNG LANQGNNPEV  QVDTSKPDIL ILRQIMALRV MTSKMKNAYN GNDVDFDIS DESSGEGSGS  GCEYQQCPSE FDYNATDHAG KSANEKADS</p>
<b>Source</b>	E.coli
<b>Target Names</b>	GPC4
<b>Protein Names</b>	Recommended name: Glypican-4 Alternative name(s): K-glypican Cleaved into the following chain: 1. Secreted glypican-4
<b>Expression Region</b>	19-529
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	Cell surface heparan sulfate proteoglycans are composed of a membrane-associated protein core substituted with a variable number of heparan sulfate chains. Members of the glypican-related integral membrane proteoglycan family (GRIPS) contain a core protein anchored to the cytoplasmic membrane via a glycosyl phosphatidylinositol linkage. These proteins may play a role in the control of cell division and growth regulation. The GPC4 gene is adjacent to the 3' end of GPC3 and may also play a role in Simpson-Golabi-Behmel syndrome.
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



## Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.