

## 32-7592: Recombinant Mouse Glypican-1/Gpc1 (C-6His)

**Gene :** Gpc1  
**Gene ID :** 14733  
**Uniprot ID :** Q9QZF2

### Description

Source: Human Cells.  
MW :56.7kD.

Recombinant Mouse Glypican-1 is produced by our Mammalian expression system and the target gene encoding Asp24-Ser529 is expressed with a 6His tag at the C-terminus. Glypican-1 is a cell membrane protein and belongs to the glypican family. The protein may act as a catalyst in increasing the rate of conversion of prion protein PRPN(C) to PRNP(Sc) via associating (via the heparan sulfate side chains) with both forms of PRPN, targeting them to lipid rafts and facilitating their interaction. It is required for proper skeletal muscle differentiation by sequestering FGF2 in lipid rafts preventing its binding to receptors (FGFRs) and inhibiting the FGF-mediated signaling.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of PBS,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** DPASKSRSCSEVRQIYGAKGFSLSDVPQAEISGEHLRICPQGYTCCTSEMEENLANHSRMELESALHDSSRALQ  
ATLATQLHGIDDHFQRLNDSERTLQEAFFGAFGDLYTQNTRAFRDLYAELRLYYRGANLHLEETLAEFWARLL  
ERLFKQLHPQLLPDDYLDCLGKQAEALRPFGDAPRELRLRATRAFAARSFVQGLGVASDVVRKVAQVPLAPE  
CSRAIMKLVYCAHCRGVPGARPCPDYCRNVKLGCLANQADLDAEWRNLLDSMVLITDKFWGSPGAESVIGGV  
HVWLAEAINALQDNKDTLTAKVIQACGNPKVNPHGSGPEEKRRRGLALQEKPSTGTLEKLVSEAKAQLRDIQ  
DFWISLPGTLCSEKMAMSPASDDRCWNGISKGRYLPEVMGDGLANQINNPEVEVDITKPDMTIRQQIMQLKIM  
TNRLRGAYGGNDVDFQDASDDGSGSGSGGGCPDDTCGRRVSKKSSSRTPALTHALPGLSEQEQKTSVDHH  
HHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.