

## Product datasheet for **SC327094**

### Glypican 3 (GPC3) (NM\_001164618) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Glypican 3 (GPC3) (NM_001164618) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPC3
Synonyms:	DGSX; GTR2-2; MXR7; OCI-5; SDYS; SGB; SGBS; SGBS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



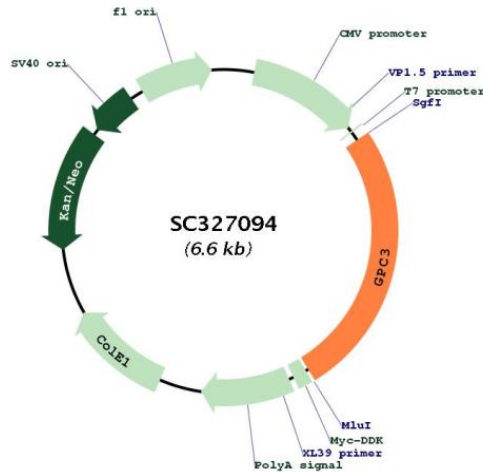
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**Fully Sequenced ORF:** >SC327094 representing NM\_001164618.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGGGACCGTGCACCCCGTGCTTGGTGGTGGCGATGCTGCTCAGCTTGGACTTCCCGGGACAG
GGCAGCCCCCGCCGCCCGCGGACGCCACCTGTCACCAAGTCCGCTCCTTCTCCAGAGACTGCAG
CCCGGACTCAAGTGGGTGCCAGAACTCCCGTGCCAGGATCAGATTTGCAAGTATGCTCCCTAAGGGC
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GACAACGAGATAAGCACCTTTCACAACCTCGGGAACGTTTATTCCCGCTGAAGCTTCTCACCAGCATG
GCCATCTCGGTGGTGTGCTTCTTCTTCTGGTGCACTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
  
```

**Restriction Sites:** Sgfl-Mlul

**Plasmid Map:**


**ACCN:** NM\_001164618

**Insert Size:** 1695 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_001164618.1](#)

**RefSeq Size:** 2281 bp

**RefSeq ORF:** 1695 bp

**Locus ID:** 2719

**Cytogenetics:** Xq26.2

**Protein Families:** Druggable Genome

**MW:** 63.7 kDa

**Gene Summary:** 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 protein encoded by this gene can bind to and inhibit the dipeptidyl peptidase activity of CD26, and it can induce apoptosis in certain cell types. Deletion mutations in this gene are associated with Simpson-Golabi-Behmel syndrome, also known as Simpson dysmorphia syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]

Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region and lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (3) that is shorter than isoform 1.