

# Recombinant Rat Gli1 protein, His-tagged

**Cat. No.** Gli1-139R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Gli1(Val810~Ala1109) fused with His/T7 tag at N-terminal was expressed in E. coli.                                                                                                                                                                                                                                                       |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                   |
| <b>ProteinLength</b>    | 810-1109 a.a.                                                                                                                                                                                                                                                                                                                                            |
| <b>Description</b>      | GLI family zinc finger 1 played an important role in many functions.                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 35.0kDa                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | V QVKPEQGCPV GSDSTGLAPC LNAHPSEGSP DPQPLFSHHS QLPPPQYLQS<br>GPYPQPPHDC LSLESRPGLN FNPSSHSTGQ LKAQLLCNYV QSQQELLWEG<br>RSRGGIPNQE LPYQSPKFLG GSQVSQSPTK VPAAAAAATF GSGFASPALA<br>NHKSVSYPAP SPCHETFTMG VNRPPHRPAA PPRLLPPLPP CYGPLKVGDA<br>NPSCGHPEVG RLGAGPALYP PPEGQVCNPL DSLDLNTQL DFVAILDEAQ<br>GLSPPPSHEQ GDSSKNTPPP SGPPNMAVGN MSVLLGSLPG ETQFLNSSA |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                    |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                       |                                                                                                                              |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>   | SDS-PAGE; WB; ELISA; IP.                                                                                                     |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months. |
| <b>Reconstitution</b> | Reconstitute in sterile PBS, pH7.2-pH7.4.                                                                                    |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Gli1 GLI family zinc finger 1 [ Rattus norvegicus ]                                                                                                                                                                                         |
| <b>Official Symbol</b>     | <a href="#">Gli1</a>                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | GLI1; GLI family zinc finger 1; zinc finger protein GLI1; GLI-Kruppel family member GLI1; Gli;                                                                                                                                              |
| <b>Gene ID</b>             | <a href="#">140589</a>                                                                                                                                                                                                                      |
| <b>mRNA Refseq</b>         | <a href="#">NM_001191910</a>                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | <a href="#">NP_001178839</a>                                                                                                                                                                                                                |
| <b>MIM</b>                 |                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>          |                                                                                                                                                                                                                                             |
| <b>Chromosome Location</b> | 7q22                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Hedgehog Signaling Pathway, organism-specific biosystem; Hedgehog signaling pathway, organism-specific biosystem; Hedgehog signaling pathway, |

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conserved biosystem; Pathways in cancer, organism-specific biosystem;

**Function**

DNA binding; chromatin binding; microtubule binding; molecular\_function; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription regulatory region DNA binding;

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