

## Product datasheet for **MR226000**

### Skor2 (NM\_001109743) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Skor2 (NM_001109743) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Skor2
Synonyms:	Corl2; EG664805; Fussel18; Gm7348
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226000 representing NM_001109743 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCCAGCCACTGCCAGGGCCCAATGATATCCTACTTGCATCGCCATCGAGCGCCTTCCAGCCCG  
ACGCATTGAGCCAACCGCGGGTACGCAACCTAAACCCAACCAGGTGGGCCAGGTGATCCTCTA  
TGGCATTCCCATCGTGTCTTGGTGATCGACGGGCAGGAGCGCCTGTGCCTGGCGCAGATCTCAACT  
CTTCTCAAGAATTCTCAGCTATAACGAGATCCACAACCGCCGAGTGGCTCTGGGCATCACGTGCGTGCAGT  
GCACACCTGTCCAAGTGGAGATCTGCGCGGGCCGGGGCCATGCCATCTCTTCGCGGCTGTGGCAT  
GATCACCAAGCGTGAGGCCGAGCGCCTTTGTAAGTCATTCTGGGCGAAAATCGGCCACCCAAGCTGCCG  
GACAACTTCGCCTTCGACGTGTGCGACGAGTGTGCTGGGGTGGCCGCGCAGCTTCATCCCGGCGCGCT  
ACAACAGCTCTCGCGCAAGTGCATCAAGTGTAGCTACTGCAACATGTACTTCTCCCCCAACAAGTTCAT  
TTTCCACTCCCACCGCACCCAGACGCAAGTACACACAGCCAGACGCGGCTAACTTCAATTCTGGCGC  
CGCCATCTCAAGCTCACAGACAAGAGCCCTCAGGACGAGCTAGTCTTCGCTGGGAGGACGTCAAGGCCA  
TGTTCAACGGTGGCAGCCGAAGCGCGCTACCTCAACCAGCGCGCACCCGGCCTGTCAACCACTCAG  
TTCCGTC AAGGCTGCTGCGGTGGCGCCGACCCGAGTGGCCGGGGCGGAGGCTGCTGGGCCCGCAC  
CTGCTGGGGCTCCACCCCGCCACCGCCACCACCTTGGCTGAGCTGGCGGGCCACTCACGCC  
ATCACAAGCGGGCGCTTCGACGACGATGACGATTCCCTCCAGGAAGCTGCCGTGGTGGCTGCAGCCAG  
CCTCTCGGCAGCCGACGACCTCTCGGTGGCCGACGACAGCGCGCCGGGCCAGGCGCAGGTGGC  
CCCGGGGTGGCTGCGTGGCCGCGTGGCGTGGGTGCCAGTGGGGGGTGGTGCAGCAGCTGGCACCA  
AAGGTCCACGCAGCTACCCAGTCATCCAGTGCCAGCAAGGTTCTGTTCCGGGGCGTGTACAGAAGTT  
CCCGGGCTGCGGGGCTCTTCCGCATCTTACACCTTCCCGGACGCGCCGACGCTTCCGCTTGTGC  
CACAAGAAGGAGGACGCGGGGACAGCGCCGAGGCCCTGGGGGAGCGGGCGGGGAGCGCAGGTGCGG  
CGCCCAAGGCAGGCTGTGCGGTCTTCTGGCCCGGGTGCAGGACGCCTTACCTCCCTCTG  
CATGTTCTGGCCACCGGACCCCGCGGGTGGCCGTGCCACCTACCTACAGCCCCGCGCAGCC



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CCGTCTGCGCTCGGCTGCGCGCTGGGTGATAGCCCGGCCCTGCTGCGTCAGGCCTTCTGGACCTGGCCG  
 AGCCGGGCGGTGCAGGTGGCAGCGCCGAGGCAGCGCCCTCCGGGCCAACCTCCCCCGTGGTGGCCAA  
 TGGCCCTGGTCCGGTCTCCAGCTACTGGGGGCACTGGAGCACGCGACACGCTCTTCGAGTCGCCCCG  
 GGCGGCAGCGCGGGGACTGCAGCGCCGGTCCACGCCACCCGACAGCAAGGAGTGACGTCCGGGACCG  
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 GCAGAAAGCCTGGCCAAGCTGCACGGGGGCTCGGCGGGCACACCCCACTAGCCCCAGGCATCACCATC  
 ACCACCACCATCACCCGACCATCACCACCATCACCTCCGACGCGCCGTCGCCACTGCTGCTGTGCA  
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 AGGAAATACGTCCTTCCAGTCTTCAATAACTTTGAGGATCAGATGAAAAGGGAAGTGGCTTACCGAGAA  
 GAGATGGTGCAACAGTTACAAATCATCCCTATGCAGCAAGCTTGATCAGGAAAGAGAAGCTTGGCGCC  
 ATCTCAGCAAAAGC

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTAA

**Protein Sequence:**

>MR226000 representing NM\_001109743  
 Red=Cloning site Green=Tags(s)

MASSPLPGPNDILLASPSAFAQPDALSQPRPGHANLKPQVQVILYGIPIVSLVIDGQERLCLAQISNT  
 LLKNFSYNEIHNRRVALGITCVQCTPVQLEILRRAGAMPISRRCGMITKREAERLCKSFLGENRPPKLP  
 DNFAFDVSHCAWGCGRGSFIPARYNSSRAKCIKCSYCNMYFSPNKFIFHSHRTPDAKYTQPDANFNWSR  
 RHLKLTDKSPQDELVFAWEDVKAMFNGGSRKRALQPSAHPACHPLSSVKA AVAAAAAVAGGGLLGPH  
 LLGAPPPPPPPPLAELAGAPHAHHKRPFRD DDDSLQEAAVAAAASL SAAAASL SVAATGGAGPGAGG  
 PGGGCVAGVGVGASAGAGAAAGTKGPRSYPVIVPVS KGSFGGVLQKFPGCGGLFPHPYTFPAAAAAFGLC  
 HKKEDAGTAAEALGGAGAGSAGAAPKAGLSGLFWPAGRKDAFYPPFCMFWPPRTPGGLPVPTYLQPPPQP  
 PSALGCALGDSPALLRQAFDLAEPGGAGGSAEAAPPPGPPPVVANGPGSGPPATGGTGARDTLFESPP  
 GSGGDCSAGSTPPAEQVTS GTGSASSAGSVGTRVPAPHPHLLLEGRKAGGGSYHSSAFRPVGGKDD  
 AESLAKLHGASAGTPHSAHHHHHHHHHPHHHHHP PPSPLLLLQPQPDEPGSERHHPAPPPPPPP  
 LAPQPHHRGLLSPEGTSCSYPSDESEDEEEDEEEQEVDVEGHKPLEGEEEDGRDPEDEEEDEE TRVL  
 LGDSL VGGGRFLQGRGLSEKSGRDRTPAVGAFPLALNSSRLLQEDGKLGDSGGSDLPAPPPPLAPQK  
 ASSSGSRPGSPVHHP SLEEEPSYKDNQPKENNVIIISTKDDNFSDKNKGHGFITDSDSSGDFWRERS  
 GEHTQETNSPHSLKKDVENMGEELQVLF EQIDLRRRLEQEFQVLKNGTSFPVFNQDQMKRELAYRE  
 EMVQQLQIIPYASLIRKEKLG AHL SKS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9105\\_a11.zip](https://cdn.origene.com/chromatograms/mm9105_a11.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**ACCN:** NM\_001109743

**ORF Size:** 3024 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001109743.1](#), [NP\\_001103213.1](#)

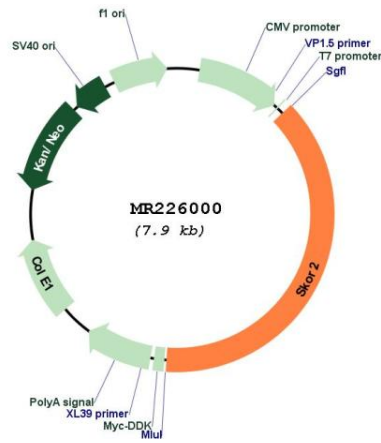
**RefSeq Size:** 3141 bp

**RefSeq ORF:** 3027 bp

**Locus ID:** 664805

UniProt ID: A7M7C7  
 Cytogenetics: 18 E3  
 MW: 105.6 kDa  
 Gene Summary: Acts as a TGF-beta antagonist in the nervous system (By similarity). Exhibits transcriptional repressor activity.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226000