

Product datasheet for **MG210388**

Slc26a2 (NM_007885) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slc26a2 (NM_007885) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slc26a2
Synonyms:	Dtd; ST-OB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG210388 representing NM_007885
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTTCAGAAAATAAAGAGCAGCATGACCTCTCACCGAGGACTTACCTGAAGAAGCCTTTGGTTTCC
 CATCTGAGCTCCCCTGGAGGCTCAAAGAAGGTCAGGCACTGACTTGAGGCACTCTGAGACCGGTCATGG
 CCGGAGAGCTTTCCGTAGGATCCACATGGAGCTCCGTGAGAAACCAGACACAGACATCAAACAGTTTGTG
 ATCAGAGAGCTCCAGAAGAGTTGCCAGTGCAGCGCAGCCAAAGTCAGAGACGGGGCTTTTGATTTCTTTC
 CTGTTTTGCGGTGGCTCCAAAAATGACCTGAAGAAAAACATTTTAGGTGATGTGATGTCTGGCCTGAT
 TGTGGGTATCCTGTTGGTGCCCACTCCATTGCTTACTCCCTGCTGGCTGGCCAGGAGCCTATATATGGT
 CTATATACATCATTTTTTCCAGCATTATTTATTTCTGTTTGGTACATCCCGCCACATCTCTGTGGGCA
 TTTTTGGAATACTGTGCCTTATGATTGGTGGGTTGTTGACCGAGAACTACATAAAGCCTGCCCTGACAC
 TGATGCTACGTCACTTCGATAGCAGTGTTCAGTGGATGTGTGGTTGTAACCATACATTAGACGGA
 CTCTGTGATAAAAGCTGCTATGCAATTAATGGCAGCACTGTGACCTTCATGGCTGGAGTTTATCAGG
 TAGCAATGGGCTTCTTCAAGTGGGCTTTGTCTGTCTACCTCTCCGACGCCTTCTGAGCGGGTTTGT
 CACTGGCGCCTCCTTACCATCCTCACGCTCAGGCAAGTACCTCCTGGGCTGAGCCTTCTCGGAGT
 CATGGTGTGCGCTCAGTCATTACTACCTGGATCCACATCTTCAGAAACATCCGTAACACCAACATCTGTG
 ATCTCATCACCAGCCTTTTATGTCTTCTGGTCTCGTCCATCCAAGAAGTCAATGAGCACTTCAAGGA
 CAAGCTCAAGGCTCCAATCCGGTCGAGCTCATTGTGCTGTGGCGGCCACATTGGCTTCTATTTTGA
 AAATAAATGGGAATACAATCCAGTATTGTGTGACACATCCCACTGGGTTTATGCCACCAAAAGCAC
 CAGACTGGAGCCTCATTCTAATGTGGCTGTAGATGCAATAGCTATTTCTATCATTGGTTTTGCTATCAC
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 ATTTGGCTTTTGAATATCATACCTTCTTCTTCCACTGCATAACTACTAGTGCAGCTCTTGCAAAGACAT
 TGGTTAAAGAGTCAACAGGCTGCCAGACGAGCTGTGAGCTATAGTGCAGCCCTTGTCTTTTGTGGT
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 CTCCGGGGCGCACTTCTGAAATTTAGAGACCTGCCAAAGATGTGGAGGCTAAGCAGAATGGATACAGTTA
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 GAAACCTTTGAATCCATTTCCACTTACAAGAACCTTCGGAGCAAGTCCGGCATCAAGGTTTCCGCTTCA
 TAGCCCTCTCTACTACATAAACAAAGAGTGCTTTAAATCAGCTTGTACAAGAAAGCTCTTAACCCAGT
 CTTGGTAAAGGCAGCTTGAAAAAGGCAGCAAAGAGAAAACCTCAAAGAAGAAATGGTGACCTTTCGTGGG
 GACCCGGATGAAGTTTCAATGCAGCTTTCCCATGATCCCTTGGAGGTGCACACTATCGTATCGACTGTA
 GTGCCATACAGTTTTTAGACACAGCAGGAATCCACACACTGAAAGAAGTTCGCCGGGATTATGAAGCCGT
 TGGGATCCAGGTTTTACTGGCGCAGTGCATCCTTCTGTGAGGGATTCTTGGCCAGAGGAGAATATTGC
 AAAAAGGAAGAGGAAACCTTCTCTTCTACAGTCTGTGAAGCAGTAGCCTTTGCAGAAGACTCTCAGA
 ATCAGAAAGGGGTGTGTGTGTCAACGGTCTGAGTCTCTCTGGTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210388 representing NM_007885
 Red=Cloning site Green=Tags(s)

MSENKEQHDLSPRDLPEEAFGFPELPLEAQRRSGTDLRQSETGHGRRAFRRIHMELREKPDTDIKQFV
 IRELQKSCQCSAAKVRDGAFFDFPVLRLPKYDLKKNILGDVMSGLIVGILLVPQSIAYSLLAGQEPIYG
 LYTSFFASIIYFLFGTSRHISVGIFFGILCLMIGEVDRELHKACPDATSSSIAVFSGGCVVNHTLDG
 LCDKSCYAIIKIGSTVTFMAGVYQVAMGFFQVGFVSVYLSALLSGFVTGASFTILTQAKYLLGLSLPRS
 HGVGSVITTWIHFNRNIRNTNICDLITSLCLLVLPVKELNEHFKDKLKAPIVELIVVAATLASHFG
 KLNGNYNSSIAGHIPTGFMPKAPDWSLIPNVAVDIAIAISIIIGFAITVSLSEMFAKKHGYTVKANQEMYA
 IGFCNIIPSFFHCITTSAAKTLVKESTGCQTQLSAIVTALVLLVLLVIAPLFYSLQKCVLGVITIVN
 LRGALLKFRDLPKMWRLSRMDTVIWFVTLSSALLSTEIGLLVGVCFSMFCVILRTQPKNSLLGLEEES
 ETFESISTYKNLRSKSGIKVFRFIAPLYINKECFKSALYKKALNPVLKAAWKAAKRKLKEEMVTFRG
 DPDEVSMQLSHDPLEVHTIVIDCSAIQFLDTAGIHTLKEVRRDYEAVGIQVLLAQCNPSVRDSLARGEYC
 KKEEETLLFYSLSEAVAF AEDSQNQKGVVNGLSLSDG

TRTRPLE - GFP Tag - V

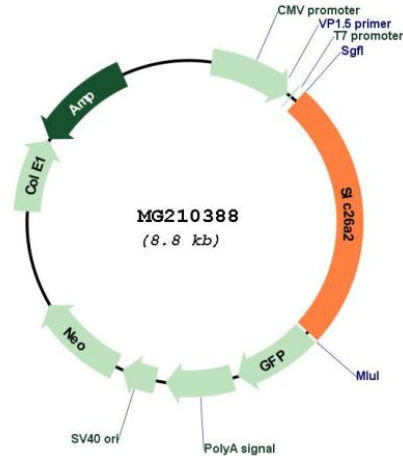
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_007885

ORF Size: 2217 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_007885.2](#), [NP_031911.1](#)

RefSeq Size: 3863 bp

RefSeq ORF: 2220 bp

Locus ID: 13521

UniProt ID: [Q62273](#)

Cytogenetics: 18 E1

Gene Summary: Sulfate transporter. May play a role in endochondral bone formation.[UniProtKB/Swiss-Prot Function]