

## Product datasheet for **SC119004**

### Chromogranin B (CHGB) (NM\_001819) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Chromogranin B (CHGB) (NM_001819) Human Untagged Clone
Tag:	Tag Free
Symbol:	Chromogranin B
Synonyms:	SCG1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene ORF within SC119004 sequence for NM\_001819 edited (data generated by NextGen Sequencing)

```

ATGCAGCCAACGCTGCTTCTCAGCCTCCTGGGAGCCGTGGGGCTGGCGGCTGTCAATTCC
ATGCCAGTGGATAACAGGAACCAATGAAGGAATGGTACTCGCTGCATCATTGAGGTC
CTCTCAAATGCCTTGTGCGAAGTCCAGCGCTCCACCCATCACCCCTGAGTGCCGCCAAGTC
CTGAAGACGAGTAGAAAAGACGTCAAAGACAAAGAGACAACTGAAAATGAAAACACAAAG
TTTGAAGTAAGATTGTTAAGAGACCCAGCTGATGCCTCGGAAGCCACGAGTCTCCAGC
AGGGGAGAGGCAGGAGCCCAAGGGGAGGAGACATCCAAGGCCCAACAAAGGCAGACACA
GAGAAATGGGCAGAGGGAGGCGGCACAGCCGAGAGCGAGCGGATGAGCCCCAGTGGAGC
CTCTATCCCTCCGACAGCCAAGTCTCTGAAGAAGTGAAGACACGCCATTCTGAGAAGAGC
CAGAGAGAGGATGAGGAGGAGGAGGAGGAGAGAATAATCAAAAAGGGGAGCGAGGGGAA
GATAGCAGTGAAGAGAAACACCTTGAAGAGCCAGGAGAGACACAAAACGCTTTTCTCAAT
GAAAGAAAGCAGGCTTCAGCTATAAAAAAGAGGAGTTAGTGCCAGATCGGAAACACAT
GCTGCCGGGCATTCTCAGGAGAAGACACATAGCCGAGAGAAGAGTAGCCAGGAGAGTGA
GAGGAGACAGGGAGCCAGGAGAATCACCCCAAGGAGTCTAAAGGCCAACCCGAAGCCAG
GAAGAATCTGAGGAAGGTGAGGAAGATGCCACCTCTGAGGTGGACAAACGACGCACGAGG
CCCAGACACCACCAGGGAGGAGCAGGCCCGACAGGTCCTCTCAAGGAGGGAGTCTTCCC
TCTGAGGAAAAGGGACACCCCAAGGAGGAATCTGAGGAGTCAAACGTGAGCATGGCCAGT
TTAGGGGAAAAGAGGGACCACCTTCAACCCACTACAGGGCTTCCAGGGAAGAACCTGAA
TATGGAGAAGAAATAAAGGGTTATCCAGGCGTCCAGGCCCTGAGGACCTGGAGTGGGAG
CGCTATAGGGGCAGAGGAAGTGAAGAATACAGGGCTCCAAGACCTCAGAGTGAGGAGAGT
TGGGATGAGGAGGACAAGAGAACTACCCAGCTTAGAGCTTGATAAGATGGCACATGGA
TATGGTGAAGAAAGTGAAGGAGAGAGGGCCCTTGAAGCCGGGAAAGGGACGCCATCAGAG
GGCAGGGGAGGGGAGCCACGTGCCTATTTTCATGTCTGACACCAGAGAAGAGAAAAGGTTT
TTGGGTGAAGGACACCCTGTCCAAGAAAACAGATGGACAAGGCAAGGAGGCATCCA
CAAGGTGCGTGGAAAGAGCTGGACAGAAATATCTCAACTACGGTGAAGGAGGAGCCCA
GGGAAGTGGCAGCAGCAGGGAGACCTGCAGGACACTAAAGAAAACAGGGAGGAAGCTAGG
TTTCAAGATAACAATATAGCTCCCATCACACAGCTGAAAAGAGGAAGAGATTAGGGGAA
CTGTTCAACCCATACTACGACCCTCTCCAGTGAAGAGCAGCCATTTTGAAGAAGAGAC
AACATGAATGACAATTTTCTCGAGGGTGAAGGAGGAAAATGAGCTGACCTTGAACGAGAAG
AATTTCTTCCAGAAATAACTATGACTGGTGGGAGAAAAGCCCTTCTCTGAGGATGTG
AACTGGGGGTATGAGAAGAGAAACCTCGCCAGGGTCCCCAAGCTGGACCTGAAAAGGCAA
TATGACAGGGTGGCCAACTGGACCAGCTCCTTCACTACAGGAAGAAGTCAGCTGAGTTT
CCAGACTTCTATGATTCTGAGGAGCCGGTGAACCCACAGGAGGCAGAAAATGAAAAG
GACAGGGCTGACCAGACAGTCTGACAGAGGACGAGAAAAAGAACTCGAAAACCTGGCT
GCAATGGATTTGGAAGTACAGAAGATAGCTGAGAAATTCAGCCAAAGGGGCTGA

```

Clone variation with respect to NM\_001819.2

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_001819 unedited  
 TGCAGTATTTGTAACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGTTTTCCGGG  
 GCCGCTCCATCGCGCCTTCTCTCGCCTCGCTTCTCCGGTCCAGCCGCATCTTCTT  
 TCCGCACAGGGGCCCGCAGCGGGGCCATGCAGCCAACGCTGCTTCTCAGCCTCTGGGA  
 GCCGTGGGGCTGGCGGCTGTCAATTCATGCCAGTGGATAACAGGAACCAATGAAGGA  
 ATGGTGACTCGCTGCATCATTGAGGTCCTCTCAAATGCCTTGTCTGAAGTCCAGCGCTCA  
 CCCATCACCCCTGAGTGCCGCCAAGTCTGAAGACGAGTAGAAAAGACGTCAAAGACAAA  
 GAGACAACGTGAAAATGAAAACACAAAGTTTGAAGTAAGATTGTTAAGAGACCCAGCTGAT  
 GCCTCGGAAGCCACGAGTCCTCCAGCAGGGGAGAGGCAGGAGCCCAAGGGAGGAGGAC  
 ATCCAAGGCCAACAAGGCAGACACAGAGAAATGGGCAGAGGGAGGCGGGCACAGCCGA  
 GAGCGAGCGGATGAGCCCAGTGGAGCCTCTATCCCTCCGACAGCCAAGTCTCTGAAGAA  
 GTGAAGACACGCCATTCTGAGAAGGCCAGAGAGAGGATGAGGAGGAGGAGGAGGAGAG  
 AACTATCAAAAAGGGGAGCGAGGGGAAGATAGCAGTGAAGAGAACACCTTGAAGAGCCCA  
 GAGAGACATCAAACGCTTNNCTCAATGAAAGAAAGCAGGCTTCAGCTATAAAAAAAGAAG  
 AGTTAGTGGCCAGATTCGGAACACATGCTGNCGGGCATTCTCAGGAGATGACACATAGCC  
 CGAAAAAAGAGTANCCAGCAAAGTGGAGAGGAGACAGGAACCCAGGATATCACCCCCAGG  
 AGTCTAAAGGCCACCCCGAACCCGG

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_001819 unedited  
 TTTATTATTTTCCAACCTGGANACCAACATTTTTCCAAAAACAGTAGCACAGTCATTGTC  
 ATAAGCATGTTAATATGTCTATTTTGCAGAAAAGAATATGCTACAAGTCATGCAATTCAC  
 ATTTTCAATAGCATTCTGACAGAAATTAAGACAATTCCAATTGTGTCAAACATTTAATG  
 AATAGTAAAGTTCTACTTTCTGCCCTTGGGTAGATAAATGGTGTCTTTCAGTGAAGTGGTG  
 AAAAACAGATCATGTGATGGCTGCTTCTAACAGTGCCCAACCGCTCCAATGACAGTCAGC  
 CCCTTTGGCTGAATTTCTCAGCTATTCTTCTGTAGTTCCAAATCCATTGCAGCCAAGTTT  
 TCGAGTCTTTTTTCTCGTCCTCTGTCAGGACTGTCTGGTCAGCCCTGTCCTTTTCATTT  
 TCTGCCTCCTGGTGGGTGCTCACCGCTCCTCAGAATCATAGAAGTCTGGAACTCAGCT  
 GACTTCTTCTGTAGTGAAGGAGCTGGTCCAGTTGGGCCACCCTGTCATATTGCCTTTTC  
 AGGTCCAGCTTGGGGACCCTGGCGAGGTTTCTCTTCTCATACCCNCAGTTCACATCCTCA  
 GAGAAGGGCTTTNTCTCCACAGTCATAGTTGTATTCTGGGAAGAATNNNCTCTCGTCAA  
 GTCAGCTCATTTTCTNCTCACCCCTCGAGAAAATGNCATTATGTNGNCTTCTTCAAAT  
 GGCTGCTCTTCACTGGAGAGGTCGNTATGGGTTGACAGNTCCCTAATCTCTTCTCTT  
 TCAGCTGTGTGATGGAGCTATATGGTTATCTTGAACCTAGCTCCTNCCTGGTTTCTTATT  
 GCCTGCAGGTCTTCTGCTGCTGCCCTTCTGGGGCTCCTTTCTACGAATTGAAATATTC  
 TGTCACTTCCACGCACTGGGGATGCCTCTGGCTGCCATCTGGTTCTGGACCGGGGGC  
 CTTACCAAGACCTTTCTCCTTGTGTAGATAAAAGCCCGGCTCCTCCTGCCTTGTAGGG  
 GTCTTTCGGTA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_001819

**Insert Size:**

2630 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001819.1</a></u> , <u><a href="#">NP_001810.1</a></u>
<b>RefSeq Size:</b>	2454 bp
<b>RefSeq ORF:</b>	2034 bp
<b>Locus ID:</b>	1114
<b>UniProt ID:</b>	<u><a href="#">P05060</a></u>
<b>Cytogenetics:</b>	20p12.3
<b>Domains:</b>	Granin
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	This gene encodes a tyrosine-sulfated secretory protein abundant in peptidergic endocrine cells and neurons. This protein may serve as a precursor for regulatory peptides. [provided by RefSeq, Jan 2009]