

Product datasheet for **SC307428**

Gastrokin 2 (GKN2) (NM_182536) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gastrokin 2 (GKN2) (NM_182536) Human Untagged Clone
Tag:	Tag Free
Symbol:	Gastrokin 2
Synonyms:	BRICD1B; GDDR; PRO813; TFIZ1; VLT1465
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_182536 edited CAGCTTTACTTACTCCAGCACCTTCCTCTCCCAGGCAAAATGAAAATACTTGTGGCATTTCAGCTGGTGCTGACCATCTTTGGGATACAATCTCATGGATACGAGGTTTTTAACATCATCAGCCCAAGCAACAATGGTGGCAATGTTTCAGGAGACAGTGACAATTGATAATGAAAAAATACCGCCATCATTAACATCCATGCAGGATCATGCTCTTCTACCACAATTTTGACTATAAAATGGCTACATTGCATCCAGGTGCTCTCCGAAGAGCCTGCTTATCCTGAAGATGGACATCAGAACATCCCTCTCTGAACAATCTCCAATGGTACATCTATGAGAAACAGGCTCTGGACAACATGTTCTCCAGCAAATACACCTGGGTCAAGTACAACCCTCTGGAGTCTCTGATCAAAGACGTGGATTGGTTCTGCTTGGGTCACCCATTGAGAACTCTGCAAACATATCCCTTTGTATAAGGGGGAAGTGGTTGAAAACACACATAATGTCGGTGCTGGAGGCTGTGCAAAGGCTGGGCTCCTGGGCATCTTGGGAATTTCAATCTGTGCAGACATTCATGTTTAGGATGAT


[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182536 unedited <pre>GGTTTATATTTTGAATACCACTTTACTATAGGCGGCCGCGNATTCGCCCTTCAGCTTTA CTTACTCCAGCACCTTCTCTCCAGCAAAAGAAAATCTTGTGGCATTCTGGTGGTGCT GACCATCTTTGGGATACAATCTCATGGATACGAGGTTTTTAACATCATCAGCCCAAGCAA CAATGGTGGCAATGTTTCAGGAGACAGTGACAATTGATAATGAAAAAATACGCCCATCAT TAACATCCATGCAGGATCATGCTCTTCTACCACAATTTTGAATAAACATGGCTACAT TGCATCCAGGGTGCTCTCCGAAGAGCCTGCTTTATCCTGAAGATGGACCATCAGAACAT CCCTCCTCTGAACAATCTCCAATGGTACATCTATGAGAAACAGGCTCTGGACAACATGTT CTCCAGCAAAATACACCTGGGTCAAGTACAACCCTCTGGAGTCTCTGATCAAAGACGTGGA TTGGTTCTGCTTGGGTACCCATTGAGAACTCTGAAACATATCCCTTTGTATAAGGG GGAAGTGGTTGAAACACACATAATGTCGGTGCTGGAGGCTGTGCAAAGGCTGGGCTCCT GGGCATCTTGGGAATTTCAATCTGTGCAGACATTCATGTTTAGGATGATAAGGGCGAATT CAGATCTGGTACCGATATCAAGCTTGTGACTCTAGATTGCGGCCGCGGTATAGCTGTT TCCTGAACAGATCCCCGGGTGCATCCCTGTGACCCCTCCCAAGTGCCTCTCCCTGCCCT GGAAGTGGCCACTCCAGTGCCCAACCACCCTTGTCCCTAAATAAAATAAAGTTGCATCC AATTTGTCCGGACCTAGGTGTCCTTCTTTA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_182536
Insert Size:	600 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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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:	<u>NM_182536.2, NP_872342.2</u>
RefSeq Size:	826 bp
RefSeq ORF:	555 bp
Locus ID:	200504
UniProt ID:	<u>Q86XP6</u>
Cytogenetics:	2p13.3
Protein Families:	Secreted Protein

Gene Summary:

The secretory protein encoded by this gene is produced in gastric surface mucous cells, where it can bind trefoil factor family peptide 1 or gastrokine-1. This gene may be a tumor suppressor gene, as its expression is markedly decreased in gastric cancer tissues. The encoded protein interacts with gastrokine-1 and regulates homeostasis of the gastric mucosa. [provided by RefSeq, Dec 2015]