

Product datasheet for **SC125835**

AGR3 (NM_176813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGR3 (NM_176813) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGR3
Synonyms:	AG-3; AG3; BCMP11; hAG-3; HAG3; PDIA18
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_176813 edited GGGGGAGAAACATCCAGAATACATTTCCAACAAGAGCACTGGCCAAGTCAGCTTCTTCTG AGAGAGTCTCTAGAAGACATGATGCTACACTCAGCTTTGGGTCTCTGCCTTTACTCGTC ACAGTTTCTTCCAACCTTGCCATTGCAATAAAAAAGGAAAAGAGGCCTCCTCAGACTC TCAAGAGGATGGGGAGATGACATCACTTGGGTACAACTTATGAAGAAGGTCTTTTTAT GCTCAAAAAAGTAAGAAGCCATTAATGGTTATTTCATCACCTGGAGGATTGCAACTCT CAAGCACTAAAGAAAGTATTTGCCAAAATGAAGAAATACAAGAAATGGCTCAGAATAAG TTCATCATGCTAAACCTTATGCATGAAACCACTGATAAGAATTTATCACCTGATGGGCAA TATGTGCCTAGAATCATGTTTGTAGACCCTTCTTAAACAGTTAGAGCTGACATAGCTGGA AGATACTTAACAGATTGTACACATATGAGCCTCGGGATTTACCCCTATTGATAGAAAAC ATGAAGAAAGCATTAAAGACTTATTCAGTCAGAGCTATAAGAGATGATAGAAAAAGCCTT CACTTCAAAGAAGTCAAATTTTCATGAAGAAAACCTCTGGCACATTGACAAATACTAAATG TGCAAGTATATAGATTTTGTAAATTTACTATTTAGTTTTTTTAAATGTGTTTGCAATAGTC TTATTAATAAATGTTTTTTAAATCTGAGACTGACTAAAAAAAAAAAAAAAAAAAAAAAAA AAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_176813 unedited NGGGTGCACGATATTTGTNAATACGCACTCCACTCATNAGGGGGCGGACGCGCNCNAAT TCGGCCCACTTACGGGCGCGGGGGAGGAAACTCCAGNAATACATTTGCCAACAAAGA GCACTGGCCAAGTCAGCTTCTTCTGAGAGAGTCTCTAGAAGACATGATGCTACACTCAGC TTTGGGTCTCTGCCTCTTACTCGTCACAGTTTCTTCCAACCTTGCCATTGCAATAAAAAA GAAAAAGAGGCCCTCCTCAGACACTCTCAAGAGGATGGGGAGATGACATCACTTGGGTACA AACTTATGAAGAAGGTCTTTTTATGCTCAAAAAAGTAAGAAGCCATTAATGGTTATTCA TCACCTGGAGGATTGTCAATACTCTCAAGCACTAAAGAAAGTATTGCCCCAAAATGAAGA AATACAAGAAATGGCTCAGAATAAGTTCATCATGCTAAACCTTATGCATGAAACCACTGA TAAGAATTTATCACCTGATGGGCAATATGTGCCTAGAATCATGTTTGTAGACCCTTCTTT AACAGTTAGAGCTGACATAGCTGGAAGATACTCTAACAGATTGTACACATATGAGCCTCG GGATTTACCCCTATTGATAGAAAACATGAAGAAAGCATTAAAGACTTATTCAGTCAGAGCT ATAAGAGATGATAGAAAAAGCCTTCACTTCAAAGAAGTCAAATTTTCATGAAGAAAACCT CTGGCACATTGACCAATACTANATGTGCAAGTATATAGATTTTGTGATATTACTATTTAG TTTTTTAAATGTGTGTGCGATAGTCTTATTTAAATAAATGTTTTTAAATCTGAGACTGA CTAATAAAAAAAAAAAAAAAAAAAAAAAAAAACTGGTCGGCCGCTNGGCCCTCAACTCTAG ATGGCGCCCCGGGCATAGCTGGTCTGAACGATCCCGGGGCATCCCTGGACCCTCCCCA A
Restriction Sites:	Please inquire
ACCN:	NM_176813
Insert Size:	800 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).
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:	<ol style="list-style-type: none"> 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_176813.3 , NP_789783.1
RefSeq Size:	763 bp
RefSeq ORF:	501 bp
Locus ID:	155465
UniProt ID:	Q8TD06
Cytogenetics:	7p21.1
Protein Families:	Secreted Protein

Gene Summary:

This gene encodes a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. The encoded protein has an N-terminal ER-signal sequence, a catalytically active thioredoxin domain, and a C-terminal ER-retention sequence. This gene is expressed in ciliated airway epithelial cells and, in mouse, plays a role in ciliary beat frequency in multiciliated cells. This gene is also over-expressed in breast, ovarian, and prostate cancers. [provided by RefSeq, Dec 2016]