

Product datasheet for **RC208897**

AGR3 (NM_176813) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AGR3 (NM_176813) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AGR3
Synonyms: AG-3; AG3; BCMP11; hAG-3; HAG3; PDIA18
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RC208897 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCTACACTCAGCTTTGGGTCTCTGCCTCTTACTCGTCACAGTTTCTTCCAACCTTGCCATTGCAA
TAAAAAAGGAAAAGAGGCCTCCTCAGACACTCTCAAGAGGATGGGGAGATGACATCACTTGGGTACAAAC
TTATGAAGAAGGTCTCTTTTATGCTCAAAAAAGTAAGAAGCCATTAATGGTTATTCATCACCTGGAGGAT
TGTCAACTACTCTCAAGCACTAAAGAAAGTATTTGCCAAAATGAAGAAATACAAGAAATGGCTCAGAATA
AGTTCATCATGCTAAACCTTATGCATGAAACCACTGATAAGAATTTATCACCTGATGGGCAATATGTGCC
TAGAATCATGTTTGTAGACCCTTCTTAAACAGTTAGAGCTGACATAGCTGGAAGATACTCTAACAGATTG
TACACATATGAGCCTCGGGATTTACCCCTATTGATAGAAAACATGAAGAAAGCATTAAGACTTATTCAGT
CAGAGCTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC208897 protein sequence
Red=Cloning site Green=Tags(s)

MMLHSALGLCLLLVTVSSNLAIAIKKEKRPPQTL SRGWGDDITWVQTYEEGLFYAQKSKKPLMVIHLED
CQYSQALKKVF AQNEEQEMAQNKFIMLNLMHETTDKNLSPDQQYVPRIMFVDP SLTVRADIAGRYSNRL
YTYEPRDLPLLIENMKKALRLIQSEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6035_d12.zip



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Locus ID: 155465

UniProt ID: [Q8TD06](#)

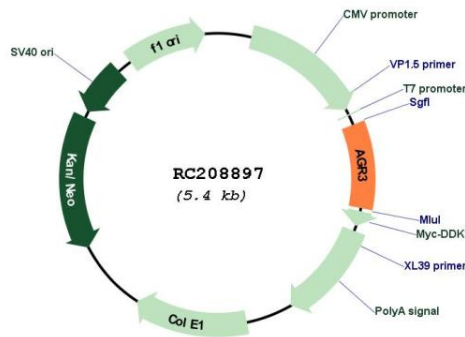
Cytogenetics: 7p21.1

Protein Families: Secreted Protein

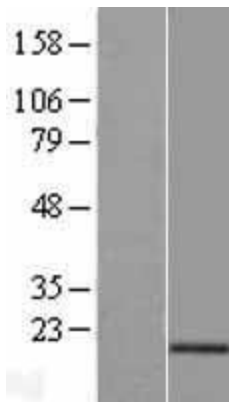
MW: 19.2 kDa

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]

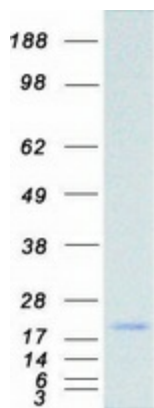
Product images:



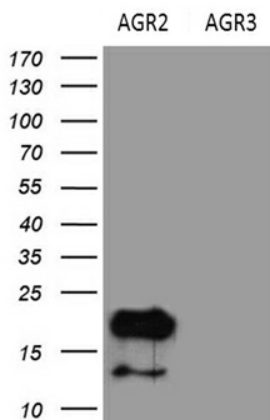
Circular map for RC208897



Western blot validation of overexpression lysate (Cat# [LY403593]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208897 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified AGR3 protein (Cat# [TP308897]). The protein was produced from HEK293T cells transfected with AGR3 cDNA clone (Cat# RC208897) using MegaTran 2.0 (Cat# [TT210002]).



HEK293T cells were transfected with the pCMV6-ENTRY AGR2 (Cat# [RC202023], Left lane) or pCMV6-ENTRY AGR3 (Cat# RC208897, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-AGR2 (Cat# [TA809754]) (Cat# [TA809754])(1:2000).