

Specifications:

Gene:	mAgr2
Accession:	NP_035913
Insert size:	541bp
Concentration:	10µg at 0.2µg/µL

mAG-2/AGR2 cDNA Plasmid

Agr2 anterior gradient 2 [*Mus musculus* (house mouse)]

Also known as: Agr2h; Gob-4; HAG-2; XAG-2; mAG-2

Summary:

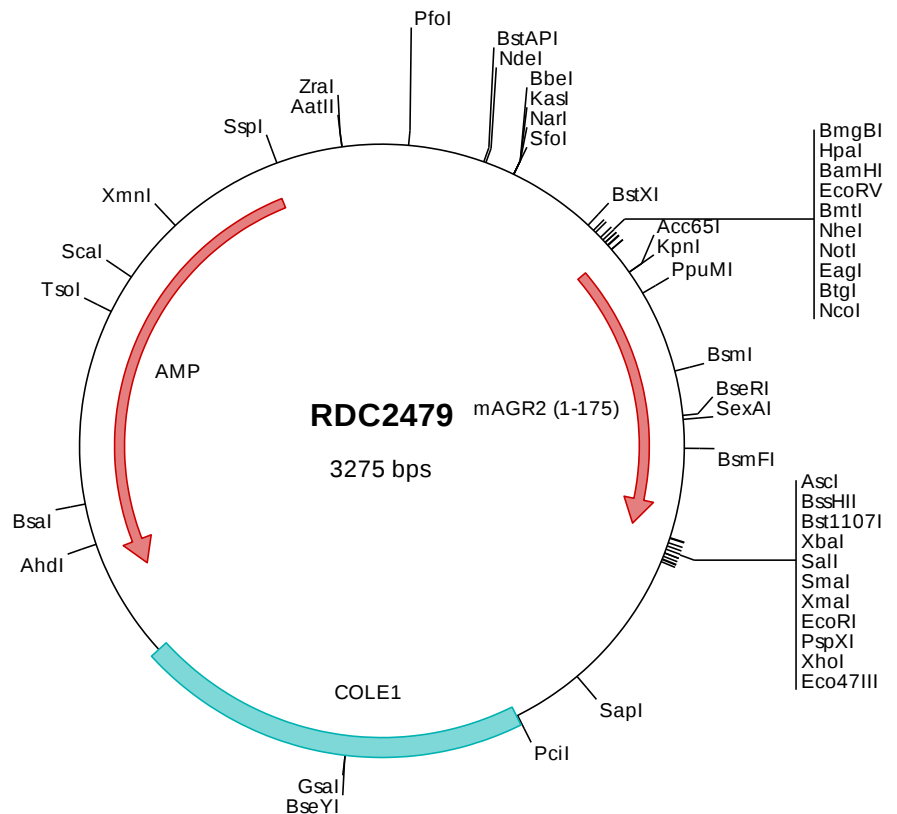
AGR2 is a member of the disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins that catalyze protein folding and thiol-disulfide interchange reactions. It plays a role in cell migration, cellular transformation and metastasis and is a p53 inhibitor. As an ER-localized molecular chaperone, it plays a role in the folding, trafficking, and assembly of cysteine-rich transmembrane receptors and the cysteine-rich intestinal glycoprotein mucin. AGR2 has been implicated in inflammatory bowel disease and cancer progression.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC2479 Plasmid DNA Sequence

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> RDC2479 Translated Insert Sequence

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