

Recombinant Human AGR2 Protein, GST-tagged

Cat. No. AGR2-439H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGR2 full-length ORF (AAH15503.1, 1 a.a. - 175 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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 protein plays a role in cell migration, cellular transformation and metastasis and is as 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. This gene has been implicated in inflammatory bowel disease and cancer progression. [provided by RefSeq, Mar 2017]
Molecular Mass	44.99 kDa
AA Sequence	MEKIPVSAFLLLVALSYTLARDTTVKPGAKKDTKDSRPKLPQTLSRGWGDQLIWTQT YEEALYKSKTSNKPLMIHHHLDECPHSQALKKVFAENKEIQKLAEQFVLLNLVYETTDK HLSPDGQYVPRIMFVDPSLTVRADITGRYSNRLYAYEPADTALLDNMKKALKLLKTE L
Applications	Enzyme-linked Immunoabsorbent Assay

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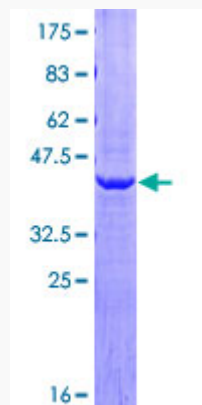
 45-1 Ramsey Road, Shirley, NY 11967, USA

	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	AGR2 anterior gradient 2 homolog (Xenopus laevis) [Homo sapiens]
Official Symbol	AGR2
Synonyms	AGR2; anterior gradient 2 homolog (Xenopus laevis); anterior gradient protein 2 homolog; AG2; HAG 2; PDIA17; protein disulfide isomerase family A; member 17; XAG 2; AG-2; HPC8; anterior gradient homolog 2; secreted cement gland homolog; secreted cement gland protein XAG-2 homolog; protein disulfide isomerase family A, member 17; GOB-4; HAG-2; XAG-2;
Gene ID	10551
mRNA Refseq	NM_006408
Protein Refseq	NP_006399
MIM	606358
UniProt ID	O95994

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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