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 gylcoprotein 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 YEEALYKSKTSNKPLMIIHHLDECPHSQALKKVFAENKEIQKLAEQFVLLNLVYETTDK HLSPDGQYVPRIMFVDPSLTVRADITGRYSNRLYAYEPADTALLLDNMKKALKLLKTE L
Applications	Enzyme-linked Immunoabsorbent Assay

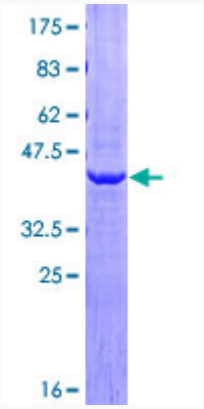
Tel: 1-631-559-9269 1-516-512-3133
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	Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80centigrade. Aliquot to avoid repeated freezing 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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