

Recombinant Human AGR2 Protein, GST-tagged

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

SPECIFICATION

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|-------------------------|---|
| 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 YEEALYKSKTSNKPLMIIHHLDECPHSQALKKVFENKEIQKLAEQFVLLNLVYETTDK HLSPDGQYVPRIMFVDPSLTVRADITGRYSNRLYAYEPADTALLLDNMKKALKLLKTE L |
| Applications | Enzyme-linked Immunoabsorbent Assay |

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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

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|------------------------|---|
| 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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