

Recombinant Human AGR2 Protein, His-tagged

Cat. No. AGR2-230H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human AGR2(Arg20-Leu175) fused with His tag at N-terminal was expressed in HEK296 cells.
Species	Human
Source	HEK293
ProteinLength	20-175 a.a.
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.
Form	Lyophilized from a 0.2 μ filtered solution of 20mM Phosphate buffer, 150mM NaCl, pH 7.2. Stable for at least 6 months from date of receipt under proper storage and handling conditions.
Molecular Mass	18.9 kDa

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Endotoxin	< 0.1 EU per g protein as determined by LAL test
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Resuspend the protein to the desired concentration in proper 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