

## 32-9086: Recombinant Human Anterior gradient protein 2 homolog/AGR2(C-His)

**Alternative Name :** Anterior Gradient Protein 2 Homolog; AG-2; hAG-2; HPC8; Secreted Cement Gland Protein  
XAG-2Homolog; AGR2; AG2

### Description

Source : Human 293 Cells;

Anterior gradient 2 protein (AGR2) is a member of the PDI family of enzymes. AGR2 is widely expressed in secretory cells, such as small intestine goblet, prostate epithelium, enteroendocrine cells, and multiple carcinoma cell types. AGR2 forms transient disulfide linkages with molecules destined for secretion, possibly aiding protein folding. The expression of AGR2 shows a positive correlation with the expression of estrogen receptor in breast carcinoma and a negative correlation with the expression of EGF receptor. Increased levels of extracellular AGR2 (eAGR2) have been correlated with poor prognosis in cancer patients, making it a potential biomarker. Studies revealed that increased AGR2 was associated with endoplasmic reticular homeostasis, possibly allowing tumor cells to overcome hypoxic stress and meet the increased protein demand of tumorigenesis, thereby preventing unfolded protein response-mediated apoptosis

### Product Info

**Amount :** 500 µg / 50 µg

**Content :** Supplied as a 0.2 um filtered solution of PBS, pH 7.4

**Amino Acid :** Recombinant Human Anterior gradient protein 2 homolog is produced by Human 293 Cells. The target gene encoding R21-L175 is expressed with a 6His tag at the C-terminus.