

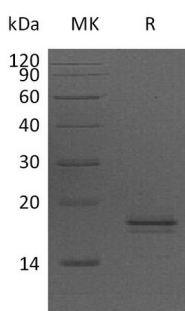
**Product Name: Recombinant Human AG-2 (C-6His)**  
**Catalog #: PHH0027**



## Summary

<b>Name</b>	AG-2/HPC8/AGR2
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	Recombinant Human Anterior Gradient Protein 2 Homolog is produced by our Mammalian expression system and the target gene encoding Arg21-Leu175 is expressed with a 6His tag at the C-terminus.
<b>Accession #</b>	O95994
<b>Host</b>	Human Cells
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	18.85 KDa
<b>Formulation</b>	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 200mM NaCl, 10%Glycerol, 0.01%Tween80, pH8.0.
<b>Shipping</b>	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
<b>Reconstitution</b>	

## SDS-PAGE image



## Background

<b>Alternative Names</b>	Anterior Gradient Protein 2 Homolog; AG-2; hAG-2; HPC8; Secreted Cement Gland Protein XAG-2 Homolog; AGR2; AG2
<b>Background</b>	Anterior Gradient 2 (AGR2) is an 18-21 kDa member of the PDI family of enzymes. AGR2 is widely expressed in secretory cells, such as small intestine goblet, prostate

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epithelium, enteroendocrine cells, and multiple carcinoma cell types. AGR2 forms transient disulfide linkages with molecules destined for secretion, possibly aiding protein folding. Expression of AGR2 shows a positive correlation with expression of estrogen receptor in breast carcinoma and a negative correlation with expression of EGF receptor. Mature human AGR2 is 155 amino acids (aa) in length (aa 21 - 175). Cys81 is presumed to participate in intermolecular bond formation. Over aa 21 - 175, human AGR2 shares 94% aa identity with mouse AGR2.

**Note**

For Research Use Only , Not for Diagnostic Use.