

## Recombinant Human AGR2, His-tagged

**Cat. No.** AGR2-63H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human Anterior Gradient Homolog 2 fused to His-tag on N-terminal produced in <i>E. Coli</i> is a single, non-glycosylated polypeptide chain containing 192 amino acids (21-175) & having a molecular mass of 22 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	AGR2 (Anterior gradient 2 homolog) is the human orthologue of the secreted <i>Xenopus laevis</i> Anterior Gradient protein (XAG-2). This is a small, possibly secreted molecule of yet weakly defined functions that is widely expressed in human tissues. Expression of AGR2 shows a positive correlation with expression of estrogen receptor in breast carcinoma and a negative correlation with expression of EGF receptor.
<b>Sequence</b>	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMRDTTVKPGAKKDKDS RPKLPQTLSRGWGDQLIWTQTYEEALYKSKTSNKPLMIHHHLDECPHSQAL KKVFAE NKEIQKLAEQFVLLNLVYETTDKHLSPDGQ YVPRIMFVDPSLTVRADITGRYSNRLY AYE PADTALLLDNMKKALKLLKTEL
<b>Physical Appearance</b>	Sterile filtered colorless solution.
<b>Purity</b>	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Formulation</b>	The protein (1mg/ml) contains 1X PBS pH-7.4
<b>Applications</b>	• ELISA • MS • Inhibition Assays • Western Blotting
<b>Storage</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	<a href="#">anterior gradient homolog 2 (Xenopus laevis)</a> [ <a href="#">Homo sapiens</a> ]
<b>Synonyms</b>	AG2; GOB-4; HAG-2; XAG-2; PDIA17; AGR2; anterior gradient 2 homolog; secreted cement gland homolog; protein disulfide isomerase family A, member 17; Anterior gradient protein 2 homolog; hAG-2; AG-2; Secreted cement gland protein XAG-2 homolog; HPC8; UNQ515/PRO1030
<b>Gene ID</b>	<a href="#">10551</a>
<b>mRNA Refseq</b>	<a href="#">NM_006408</a>
<b>Protein Refseq</b>	<a href="#">NP_006399</a>
<b>MIM</b>	<a href="#">606358</a>
<b>UniProt ID</b>	<a href="#">O95994</a>
<b>Chromosome Location</b>	7p21.3
<b>Function</b>	protein binding

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