

Recombinant Human AGR2, His-tagged

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
Description	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.
Sequence	MRGSHHHHHHGMASMTGGQQMGRDLYDDDDKDRWGSMRDTTVKPGAKKDKDS RPKLPQTLSRGWDQLIWTQTYEEALYKSKTSNKPLMIIHHLDECPHSQAL KKVFAE NKEIQKLAEQFVLLNLVYETTDKHLSPDGQ YVPRIMFVDPSLTVRADITGRYSNRLY AYE PADTALLLDNMKKALKLLKTEL
Physical Appearance	Sterile filtered colorless solution.
Purity	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.

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Formulation	The protein (1mg/ml) contains 1X PBS pH-7.4
Applications	• ELISA • MS • Inhibition Assays • Western Blotting
Storage	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
GENE INFORMATION	
Gene Name	anterior gradient homolog 2 (Xenopus laevis) [Homo sapiens]
Synonyms	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
Gene ID	10551
mRNA Refseq	NM_006408
Protein Refseq	NP_006399
MIM	606358
UniProt ID	O95994
Chromosome Location	7p21.3
Function	protein binding

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