

Cat # RP-990      Recombinant Human Anterior Gradient Protein 2 Homolog      **Size:**  10 ug

AGR2 (Anterior gradient 2 homolog) is the human orthologue of the secreted *Xenopus laevis* 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.

#### **SOURCE:**

Anterior Gradient Protein 2 Homolog Human Recombinant fused to His-tag on N-terminal produced in E.Coli is a single, non-glycosylated polypeptide chain containing 192 amino acids (21-175) & having a molecular mass of 22 kDa. The protein contains 20mM Tris-HCl pH 8.0, 1mM DTT, 1mM EDTA and 10% Glycerol.

#### **APPLICATION AND SUGGESTED DILUTIONS:**

Greater than 95.0% as determined by (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE. Users must optimize the appropriate concentration and conditions for each assay.

#### **STORAGE & STABILITY:**

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). If supplied in powder then reconstitute it in 100ul water for 1mg/mL stock and store in liquid at 4°C for ~ 1 week or aliquots in suitable size and store at -20°C for long term storage.

#### **USAGE:**

This item is for LABORATORY RESEARCH USE ONLY.

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