

Product information

AGR 2, 21-175 aa

Human, His tagged, Recombinant, *E.coli*

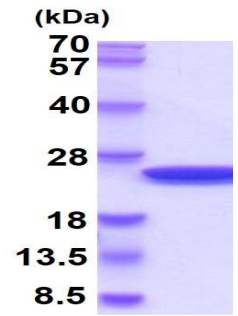
Cat. No. IBAGR0706

Full name: Anterior gradient 2 homolog

NCBI Accession No.: NP_006399

Synonyms: AG2, GOB-4, HAG-2, XAG-2

Description: 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. Recombinant human AGR2, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

<p>Form: Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 1 mM EDTA, 10% glycerol</p> <p>Molecular Weight: 21.9 kDa (191 aa), confirmed by MALDI-TOF</p> <p>Purity: > 95% by SDS - PAGE</p> <p>Concentration: 1 mg/ml (determined by Bradford assay)</p>	 <p>15% SDS-PAGE (3ug)</p>
<p>Sequences of amino acids:</p> <p>MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGRDRTT VKPGAKKDTK DSRPKLPQTL SRGWGDQL IW TQTYEEALYK SKTSNKPLMI IHHLDECPHS QALKKVFAEN KEIQKLAEQF VLLNLVYETT DKHLSPDGQY VPRIMFVDPS LTVRADITGR YSNRLYAYEP ADTALLLDNM KKALKLLKTE L</p>	

General references:

F.R. Fritzsche. *et al.*, (2007). *Histol Histopathol.* **22**: 703-708

Fletcher GC. *et al.*, (2003) *Br J Cancer* **88**(4): 579-85

Liu D. *et al.*, (2005) *Cancer Res.* **65** : 3796-805

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Manufactured for:

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