

AR09003PU-S

Human AGR2 (21-175, His-tag) - Purified

Alternate names:	AG-2, AG2, Anterior gradient protein 2 homolog, HPC8, Secreted cement gland protein XAG-2 homolog
Quantity:	0.1 mg
Concentration:	1.0 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	O95994
NCBI:	NP_006399.1
GeneID:	10551
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >95% by SDS PAGE Buffer System: 20 mM Tris 8.0, 1mM DTT, 10% glycerol, 1 mM EDTA
Description:	Recombinant human AGR2, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSRD TT VKPGAKKDTK DSRPKLPQTL SRGWGDQLIW TQTYEEALYK SKTSNKPLMI IHHLDECPHS QALKKVFAEN KEIQKLAEQF VLLNLVYETT DKHLSPDGQY VPRIMFVDPS LTVRADITGR YSNRLYAYEP ADTALLLDNM KKALKLLKTE L Molecular weight: 21.9 kDa (191 aa), confirmed by MALDI-TOF
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. F.R. Fritzsche. et al., (2007). <i>Histol Histopathol.</i> 22 : 703-708. 2. Fletcher GC, Patel S, Tyson K. et al., (2003) <i>Br J Cancer</i> 24;88(4) : 579-85. 3. Liu D, Rudland PS, Sibson DR, et al., (2005) <i>Cancer Res.</i> 65 : 3796-805.

Pictures:

15% SDS-PAGE (3 µg)

