

Recombinant human AG-2/AGR2 protein

Catalog Number: AGR0706

PRODUCT INFORMATION

Expression system

E.coli

Domain

21-175aa

UniProt No.

O95994

NCBI Accession No.

NP_006399.1

Alternative Names

Anterior gradient protein 2 homolog, AG-2, hAG-2, HPC8, Secreted cement gland protein XAG-2 homolog, Protein disulphide isomerase family A member 17, PDIA17

PRODUCT SPECIFICATION

Molecular Weight

21.9 kDa (191aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM EDTA

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

Recombinant human AG-2/AGR2 protein

Catalog Number: AGR0706

chromatography techniques.

Amino acid Sequence

<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>RDTT VKPGAKKDTK DSRPKLPQTL SRGWGDQLIW
TQTYEEALYK SKTSNKPLMI IHHLDECPHS QALKKVFAEN KEIQKLAEQF VLLNLVYETT DKHLSPDGQY VPRIMFVDPS
LTVRADITGR YSNRLYAYEP ADTALLLDNM KKALKLLKTE L

General References

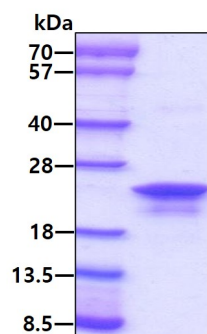
F.R. Fritzsche. et al., (2007). *Histol Histopathol.* 22: 703-708

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

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.