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

chromatography techniques.

Amino acid Sequence

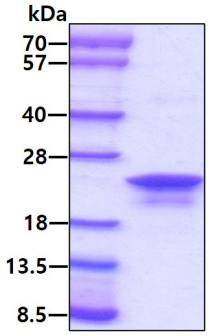
<MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGS>RDTT VKPGAKKDTK DSRPKLPQTL SRGWGDQLIW TQTYEEALYK SKTSNKPLMI IHHLDECPHS QALKKVFAEN KEIQKLAEQF VLLNLVYETT DKHLSPDGQY VPRIMFVDPS LTVRADITGR YSNRLYAYEP ADTALLLDNM KKALKLLKTE L

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.