

AGR 2 recombinant protein

AGR 2, 21-175aa, Human, His tag, E Coli

CATALOG # AAA48467	HOST E Coli	APPLICATIONS SDS-Page
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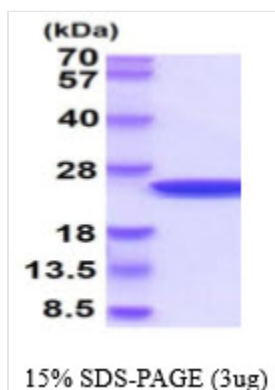
PRODUCT SYNONYMS

AGR 2; 21-175aa; Human; His tag; E Coli; Anterior gradient 2 homolog; AG2; GOB-4; HAG-2; XAG-2; AGR2; anterior gradient homolog 2 (Xenopus laevis); PDIA17; protein disulfide isomerase family A member 17; Anterior Gradient Protein 2 Homolog; AGR 2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	20mM Tris 8.0, 1mM DTT, 10% glycerol, 1mM EDTA
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD KDRWGSRD TT VKPGAKKDTK DSRPKLPQTL SRGWGDQLIW TQTYEEALYK SKTSNKPLMI IHHLDECPHS QALKKVFAEN KEIQKLAEQF VLLNLVYETT DKHLSPDGQY VPRIMFVDP S LTVRADITGR YSNRLYAYEP ADTALLLDNM KKALKLLKTE L
Sequence Length	175
Applicable Applications for AGR 2 recombinant protein	SDS-PAGE
Antigen Species	Human
Tag Information	His-tag
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for AGR 2 recombinant protein	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.
Product Categories/Family for AGR 2 recombinant protein	Cancer
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;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453541
NCBI GeneID	10551
NCBI Accession #	NP_006399
NCBI GenBank Nucleotide #	NM_006408.3
UniProt Accession #	O95994
Molecular Weight	21.9 kDa (191 aa), confirmed by MALDI-TOF
NCBI Official Full Name	anterior gradient protein 2 homolog
NCBI Official Synonym Full Names	anterior gradient 2, protein disulphide isomerase family member
NCBI Official Symbol	AGR2
NCBI Official Synonym Symbols	AG2; AG-2; HPC8; GOB-4; HAG-2; XAG-2; PDIA17; HEL-S-116
NCBI Protein Information	anterior gradient protein 2 homolog
UniProt Protein Name	Anterior gradient protein 2 homolog
UniProt Gene Name	AGR2
UniProt Synonym Gene Names	AG2; AG-2; hAG-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.