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## Recombinant human AG-3 protein

Catalog Number: ATGP1096

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

22-166aa

#### UniProt No.

**08TD06** 

#### **NCBI Accession No.**

NP 789783

#### **Alternative Names**

Anterior gradient protein 3 homolog, AG3, BCMP11, hAG-3, HAG3, PDIA18

## **PRODUCT SPECIFICATION**

### **Molecular Weight**

19.5 kDa (169aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 1mM DTT

#### **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**

AGR3, also known as anterior gradient protein 3 homolog precursor, is a secreted cytoplasmic protein which is involved in metastasis induction and p53 tumour supressor inhibition. It may serve as molecular marker and potential therapeutic target for hormone-responsive breast tumours. Recombinant human AGR3 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

## **Amino acid Sequence**

< MGSSHHHHHH SSGLVPRGSH MGS>MIAIKKE KRPPOTLSRG WGDDITWVOT YEEGLFYAOK SKKPLMVIHH



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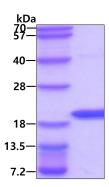
LEDCQYSQAL KKVFAQNEEI QEMAQNKFIM LNLMHETTDK NLSPDGQYVP RIMFVDPSLT VRADIAGRYS NRLYTYEPRD LPLLIENMKK ALRLIQSEL

## **General References**

Fletcher G.C., et al. (2003) Br. J. Cancer. 88:579-585 Clark H.F., et al. (2003) Arch. Biochem. Genome Res. 13:2265-2270

## **DATA**

#### **SDS-PAGE**



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

