

Recombinant human AG-3 protein

Catalog Number: ATGP1096

PRODUCT INFORMATION

Expression system

E.coli

Domain

22-166aa

UniProt No.

Q8TD06

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 suppressor 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 SGLVPRGSH MGS>MIAIKKE KRPPQTL SRG WGDDITWVQT YEEGLFYAQK SKKPLMVIHH

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LEDCQYSQAL KKVFAQNEEI QEMANQKFIM LNLMHETTDK NLSPDGQYVP RIMFVDPSLT VRADIAGRYS NRLTYEPRD
LPLLIENMKK ALRLIQSEL

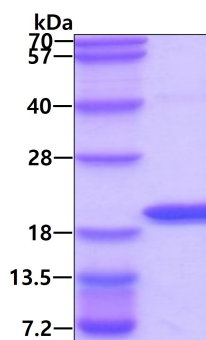
General References

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



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