

# Product information

## AGR3, 22-166aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1096

**Full name:** Anterior gradient protein 3 homolog

**NCBI Accession No.:** NP\_789783

**Synonyms:** AG3, BCMP11, hAG-3, HAG3, PDIA18

**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.

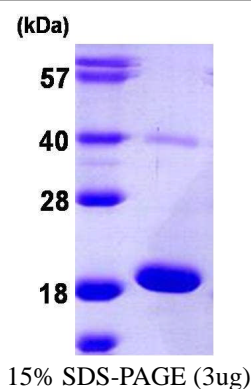
**Form:** Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol,

0.1M NaCl, 1mM DTT

**Molecular Weight:** 19.5 kDa (169aa), confirmed by MALDI-TOF

**Purity:** > 90% by SDS - PAGE

**Concentration:** 1 mg/ml (determined by Bradford assay)



**Sequences of amino acids:**

MGSSHHHHHH SSGLVPRGSH MGSMIAIKKE KRPPQTLSRG WGDDITWVQT YEEGLFYAQK SKKPLMVIHH LEDCQYSQAL KKVFAQNEEI  
QEMAQNKFI M LNLMHETTDK NLSPDGQYVP RIMFVDPSLT VRAD IAGRYS NRLTYEPRD LPLL IENMKK 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

**Storage:** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.  
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.