



Product Datasheet

Product Name	Anterior Gradient Protein 2 Homolog Human Recombinant
Cata No	CB501191
Source	<i>Escherichia Coli.</i>
Synonyms	Anterior gradient protein 2 homolog, Secreted cement gland protein XAG-2 homolog, AG-2, hAG-2, HPC8, AGR2, AG2, GOB-4, HAG-2, XAG-2.

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.

Anterior Gradient Protein 2 Homolog Human Recombinant fused to His-tag on N-terminal produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 192 amino acids (21-175) & having a molecular mass of 22 kDa.

Physical Appearance

Sterile filtered colorless solution.

Purity

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Formulation

The protein (1mg/ml) contains 1X PBS pH-7.4

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Avoid multiple freeze-thaw cycles.

Sequence

MRGSHHHHHH GMASMTGGQQ MGRDLYDDDD
KDRWGSMRDT TVKPGAKKDT KDSRPKLPQT
LSRGWGDQLI WTQTYEEALY KSKTSNKPLM
IIHHLDECPH SQALKKVFAE NKEIQKLAEQ
FVLLNLVYET TDKHLSPDGG YVPRIMFVDP
SLTVRADITG RYSNRLYAYE PADTALLLDN
MKKALKLLKT EL