
Product Data Sheet

Product Name: AGR2 Mouse
 Cat. No.: GP22691
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Agr2h; Gob-4; HAG-2; mAG-2; XAG-2; AG-2; Protein Gob-4; Secreted cement gland protein XAG-2 homolog.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHMKDTTV KSGAKKDPKD SRPKLPQTLS RGWGDQLIWT QTYEEALYRS KTSNRPLMVI HHLDECPHSQ ALKKVFAEHK EIQKLAEQFV LLNLVYETTD KHLSPDGQYV PRIVFVDPSL TVRADITGRY SNRLYAYEPS DTALLYDNMK KALKLLKTEL.		
Formulation	The AGR2 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 1mM EDTA and 20% glycerol.		

Introduction

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.

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.

Background

AGR2 Mouse Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 180 amino acids (21-175) and having a molecular mass of 20.5kDa. AGR2 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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