

AG-2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P78771
Synonyms:	Anterior gradient protein 2 homolog; AG-2; hAG-2; HPC8; Secreted cement gland protein XAG-2 homolog; AGR2
Species:	Mouse
Source:	HEK293
Accession:	O88312 (K21-L175)
Gene ID:	23795
Molecular Weight:	approximately 20-22 kDa

PROPERTIES

AA Sequence	<p>K D T T V K S G A K K D P K D S R P K L P Q T L S R G W G D Q L I W T Q T Y E E</p> <p>A L Y R S K T S N R P L M V I H H L D E C P H S Q A L K K V F A E H K E I Q K L</p> <p>A E Q F V L L N L V Y E T T D K H L S P D G Q Y V P R I V F V D P S L T V R A D</p> <p>I T G R Y S N R L Y A Y E P S D T A L L Y D N M K K A L K L L K T E L</p>
Biological Activity	Measured by the ability of the immobilized protein to support the adhesion of PC-3 human prostate cancer cells. The ED ₅₀ for this effect is 0.9917 µg/mL, corresponding to a specific activity is 1008.370 units/mg.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of PBS, 1 mM TCEP, pH 7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	AG-2 Protein is essential for the post-transcriptional synthesis and secretion of MUC2, a key component of mucus. It is believed to have a significant role in the production of mucus by intestinal cells. Additionally, AG-2 is considered a proto-oncogene that potentially influences cell migration, cell differentiation, and cell growth. It also promotes cell adhesion. AG-2 exists as both a monomer and homodimer. Furthermore, it interacts with LYPD3 and DAG1 (alphaDAG1) proteins, and forms a disulfide-linked interaction with MUC2.
-------------------	---

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA