

Recombinant Bovine Inhibin alpha chain(INHA)

Catalog No: #AP70447

Package Size: #AP70447-1 20ug #AP70447-2 100ug #AP70447-3 1mg

Description

Product Name	Recombinant Bovine Inhibin alpha chain(INHA)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:227-360aaSequence Info:Full Length
Accession No.	P07994
Calculated MW	30.6 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	STPPLPWPWSPAALRLQLRPPEEPAHADCHRAALNISFQELGWDRWIVHPPSFIFYCHGGCGLSPPQDLPLPVGVPPTPVQPLSLVPGAQPCCAALPGTMRPLHVRTTSDGGYSFKYEMVNNLTQHCACI
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Inhibins and activins inhibit and activate, respectively, the secretion of follitropin by the pituitary gland. Inhibins,activins are involved in regulating a number of diverse functions such as hypothalamic and pituitary hormone secretion, gonadal hormone secretion, germ cell development and maturation, erythroid differentiation, insulin secretion, nerve cell survival, bryonic axial development or bone growth, depending on their subunit composition. Inhibins appear to oppose the functions of activins.

References

Inhibin alpha-subunit monomer is present in bovine follicular fluid.Sugino K., Nakamura T., Takio K., Titani K., Miyamoto K., Hasegawa Y., Igarashi M., Sugino H.Biochem. Biophys. Res. Commun. 159:1323-1329(1989) Research Topic:Signal Transduction

Published Papers

el at., Discovery of novel and potent InhA direct inhibitors by ensemble docking-based virtual screening and biological assaysInJ Comput Aided Mol DesOn2023 DecbyQianqian Zhang , Jianting Han et al..PMID:37642861, , (2023)

[PMID:37642861](https://pubmed.ncbi.nlm.nih.gov/37642861/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.