

Recombinant Human Glucosamine-6-phosphate isomerase 1(GNPDA1)

Catalog No: #AP70349

Package Size: #AP70349-1 20ug #AP70349-2 100ug #AP70349-3 1mg

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Description

Product Name	Recombinant Human Glucosamine-6-phosphate isomerase 1(GNPDA1)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-289aaSequence Info:Full Length
Other Names	Glucosamine-6-phosphate deaminase 1 ;GNPDA 1 ;GlcN6P deaminase 1Oscillin
Accession No.	P46926
Calculated MW	36.7 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MKLIILEHYSQASEWAAKYIRNRIIQFNPGPEKYFTLGLPTGSTPLGICYKKLIEYYKNGDLSFKYVKTFNMDEYV GLPRDHPESYHSFMWNNFFKHIDHPENTHILDGNAVDLQAECDAFEEDIKAAGGIELFVGGIGPDGHIAFNEP GSSLVSRTRVKTAMDTILANARFFDGELTKVPTMALTGVGVTVMDAREVMILITGAHKAFALYKAIEEGVNHM WTVSAFQQHPRTVFVCEDEATLELKVKTVKYFKGLMLVHNKLVDPYLSIKEKETEKSSQSSKKPYSD
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

Ses to trigger calcium oscillations in mammalian eggs. These oscillations serve as the essential trigger for egg activation and early development of the bryo .

References

The DNA sequence and comparative analysis of human chromosome 5.Schmutz J., Martin J., Terry A., Couronne O., Grimwood J., Lowry S., Gordon L.A., Scott D., Xie G., Huang W., Hellsten U., Tran-Gyamfi M., She X., Prabhakar S., Aerts A., Altherr M., Bajorek E., Black S. , Branscomb E., Caoile C., Challacombe J.F., Chan Y.M., Denys M., Detter J.C., Escobar J., Flowers D., Fotopulos D., Glavina T., Gomez M., Gonzales E., Goodstein D., Grigoriev I., Groza M., Hammon N., Hawkins T., Haydu L., Israni S., Jett J., Kadner K., Kimball H., Kobayashi A., Lopez F., Lou Y., Martinez D., Medina C., Morgan J., Nandkeshwar R., Noonan J.P., Pitluck S., Pollard M., Predki P., Priest J., Ramirez L., Retterer J., Rodriguez A., Rogers S., Salamov A., Salazar A., Thayer N., Tice H., Tsai M., Ustaszewska A., Vo N., Wheeler J., Wu K., Yang J., Dickson M., Cheng J.-F., Eichler E.E., Olsen A., Pennacchio L.A., Rokhsar D.S., Richardson P., Lucas S.M., Myers R.M., Rubin E.M.Nature 431:268-274(2004)Research Topic:Metabolism

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