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32-2380: GNPDA1 Recombinant Protein

Alternative Name : GNP1,GNPDA,GNPI,GPI,HLN,Oscillin.

Description

Source : Escherichia Coli. GNPDA1 Recombinant Human produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 309 amino acids (1-289) and having a molecular mass of 34.8 kDa.GNPDA1 is fused to a 20 amino macid His-Tag at N-terminus and purified by proprietary chromatographic techniques. GNPDA1, catalyzes the conversion of glucosamine-6-phosphate to fructose-6-phosphate, a reaction that under physiological conditions proceeds to the formation of fructose-6-phosphate. GNPDA1 is widely expressed with highest expression in testes, ovary and heart. GNPDA1 triggers calcium oscillations in mammalian eggs. These oscillations are as the necessary trigger for egg activation and early development of the embryo.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	1 mg/ml solution containing 20mM Tris Hcl buffer pH-8, 1mM DTT, 50mM NaCl and 20% glycerol.
Storage condition :	GNPDA1 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C.Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MKLIILEHYS QASEWAAKYI RNRIIQFNPG PEKYFTLGLP TGSTPLGCYK KLIEYYKNGD LSFKYVKTFNMDEYVGLPRD HPESYHSFMW NNFFKHIDIH PENTHILDGN AVDLQAECDA FEEKIKAAGG IELFVGGIGP DGHIAFNEPG SSLVSRTRVK TLAMDTILAN ARFFDGELTK VPTMALTVGV GTVMDAREVM ILITGAHKAF ALYKAIEEGV NHMWTVSAFQ QHPRTVFVCD EDATLELKVKTVKYFKGLML VHNKLVDPLY SIKEKETEKS QSSKKPYSD.

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