

GNPDA1 Human

Description: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 acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

Catalog #:ENPS-561

For research use only.

Synonyms:GNP1, GNPDA, GNPI, GPI, HLN, Oscillin.

Source:Escherichia Coli.

Physical Appearance:Sterile filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MKLIILEHYS QASEWAAKYI
RNRIIQFNPG PEKYFTLGLP TGSTPLGCKY KLIYYKNGD LSKYVKTFNMDEYVGLPRD
HPESYHSFMW NNFFKHIDIH PENTHILDGN AVDLQAECD AFEKKAAGG IELFVGIGIP
DGHIAFNEPG SSLVSRTRVK TLAMDTILAN ARFFDGELTK VPTMALTVGV GTVMDAREVM
ILITGAHKAF ALY

Purity:Greater than 90.0% as determined by SDS-PAGE.

Formulation:

1 mg/ml solution containing 20mM Tris Hcl buffer pH-8, 1mM DTT, 50mM NaCl and 20% glycerol.

Stability:

GNPDA1 Human Recombinant although stable at 4°C for 1 week, should be stored below -18°C.Please prevent freeze-thaw cycles.

Usage:

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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