

Recombinant Human GDPD5, GST-tagged

Cat. No. GDPD5-13219H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human GDPD5 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.

Species Human

Source E.coli

ProteinLength 1-127a.a.

Description This gene is a member of the H/ACA snoRNPs (small nucleolar ribonucleoproteins) gene family. snoRNPs are involved in various aspects of rRNA processing and modification and have been classified into two families: C/D and H/ACA. The H/ACA snoRNPs also include the DKC1, NOLA2 and NOLA3 proteins. These four H/ACA snoRNP proteins localize to the dense fibrillar components of nucleoli and to coiled (Cajal) bodies in the nucleus. Both 18S rRNA production and rRNA pseudouridylation are impaired if any one of the four proteins is depleted. These four H/ACA snoRNP proteins are also components of the telomerase complex. The encoded protein of this gene contains two glycine- and arginine-rich domains and is related to *Saccharomyces cerevisiae* Gar1p. Two splice variants have been found for this gene.

Storage The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.

Storage Buffer 1M PBS (58mM Na₂HPO₄, 17mM NaH₂PO₄, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	GDPD5 glycerophosphodiester phosphodiesterase domain containing 5 [Homo sapiens]
Official Symbol	GDPD5
Synonyms	GDPD5; glycerophosphodiester phosphodiesterase domain containing 5; glycerophosphodiester phosphodiesterase domain-containing protein 5; GDE2; PP1665; glycerophosphodiester phosphodiesterase 2;
Gene ID	81544
mRNA Refseq	NM_030792
Protein Refseq	NP_110419
MIM	609632
UniProt ID	Q8WTR4
Chromosome Location	11q13.4-q13.5
Function	glycerophosphodiester phosphodiesterase activity; hydrolase activity;

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