

Recombinant Human GDEP, GST-tagged

Cat. No. GDEP-13207H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GDEP protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-34a.a.
Description	The protein encoded by this gene is a methyltransferase that converts guanidoacetate to creatine, using S-adenosylmethionine as the methyl donor. Defects in this gene have been implicated in neurologic syndromes and muscular hypotonia, probably due to creatine deficiency and accumulation of guanidinoacetate in the brain of affected individuals. Two transcript variants encoding different isoforms have been described for this gene. Pseudogenes of this gene are found on chromosomes 2 and 13.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

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Gene Name	GDEP gene differentially expressed in prostate [Homo sapiens (human)]
Official Symbol	GDEP
Synonyms	PCAN1; gene differentially expressed in prostate; Prostate cancer protein 1; GDEP
Gene ID	118425
MIM	609717
Chromosome Location	4q21.1

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