

## Recombinant Human GDEP, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GDEP protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-34a.a.
<b>Description</b>	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.
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

### GENE INFORMATION

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

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