

Recombinant Human GNAT3, GST-tagged

Cat. No. GNAT3-13351H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GNAT3 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	83-137a.a.
Description	The enzyme encoded by this gene is responsible for the catalysis and formation of S-lactoyl-glutathione from methylglyoxal condensation and reduced glutathione. Glyoxalase I is linked to HLA and is localized to 6p21.3-p21.1, between HLA and the centromere.
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

Gene Name	GNAT3 guanine nucleotide binding protein, alpha transducing 3 [Homo sapiens]
Official Symbol	GNAT3

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Synonyms	GNAT3; guanine nucleotide binding protein, alpha transducing 3; guanine nucleotide-binding protein G(t) subunit alpha-3; GDCA; gustducin; gustducin alpha-3 chain;
Gene ID	346562
mRNA Refseq	NM_001102386
Protein Refseq	NP_001095856
MIM	139395
UniProt ID	A8MTJ3
Chromosome Location	7q21.11
Pathway	Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; G-protein activation, organism-specific biosystem; G-protein mediated events, organism-specific biosystem; Incretin Synthesis, Secretion, and Inactivation, organism-specific biosystem; Integration of energy metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem;
Function	G-protein beta/gamma-subunit complex binding; G-protein coupled receptor binding; GTP binding; GTPase activity; guanyl nucleotide binding; metal ion binding; nucleotide binding; phosphatidylinositol phospholipase C activity; signal transducer activity;