

Recombinant Human GANC Protein, GST-tagged

Cat. No. GANC-4721H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human GANC full-length ORF (AAI51224.1, 1 a.a. - 914 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Glycosyl hydrolase enzymes hydrolyse the glycosidic bond between two or more carbohydrates, or between a carbohydrate and a non-carbohydrate moiety. This gene encodes a member of glycosyl hydrolases family 31. This enzyme hydrolyses terminal, non-reducing 1,4-linked alpha-D-glucose residues and releases alpha-D-glucose. This is a key enzyme in glycogen metabolism and its gene localizes to a chromosomal region (15q15) that is associated with susceptibility to diabetes. [provided by RefSeq]
Molecular Mass	127.05 kDa
AA Sequence	MEAAVKEEISVEDEAVDKNIFRDCNKIAFYRRQKQWLSKKSTYRALLDSVTTDEDST RFQIINEASKVPLLAIEYGIENIFRLKINEETPLKPRFEVDPDLTSPSTVRLISCSGDT GSLILADGKGLKCHITANPFKVDLVSEEEVVISINSLGQLYFEHLQILHKQRAAKENE EETSVDTSQENQEDLGLWEEKFGKFVDIKANGPSSIGLDFSLHGFEHLYGIPQHAES HQLKNTGDGDAYRLYNLDVYGYQIYDKMGIYGSVPYLLAHKLGRTIGIFWLNASETL VEINTEPAVEYTLTQMGPVAAKQKVRSRTHVHWMSESGIIDVFLLTGPTPSDVFKQY SHLTGTQAMPPLFSLGYHQCRWNYEDEQDVKAVDAGFDEHDIPYDAMWLDIEHTE

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GKRYFTWDKNRFPNPKRMQELLRSKKRKLVVISDPHIKIDPDYSVYVKAKDQGFFVK
 NQEGEDFEGVCWPGGLSSYLDFTNPKVREWYSSLFAFPVYQGSTDILFLWNDMNEP
 SVFRGPEQTMQKNAIHHGNWEHRELHNIYGFYHQMATAEGLIKRSKSKERPFVLTR
 SFFAGSQKYGAVWTGDNTAEWSNLKISIPMLLTLSTGISFCGADIGGFIGNPETELLV
 RWYQAGAYQPFFRGHATMNTKRREPWLFGEETHRLIREAIRERYGLLPYWYSLFYH
 AHVASQPVMRPLWVEFPDELKTFDMEDEYMLGSALLVHPVTEPKATTVDVFLPGSN
 EVWYDYKTFAHWEGGCTVKIPVALDTIPVFQRGGSVIPIKTTVGKSTGWMTESSYGL
 RVALSTKGSSVGELYLDDGHSFYQLHQKQFLHRKFSFCSSVLINSFADQRGHYPSK
 CVVEKILVLGFRKEPSSVTTHSSDGKDQPVAFTYCAKTSILSLEKLSLNIATDWEVRII

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes
 Best use within three months from the date of receipt of this protein.

Storage
 Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer
 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name
 GANC glucosidase, alpha; neutral C [Homo sapiens]

Official Symbol
 GANC

Synonyms
 GANC; glucosidase, alpha; neutral C; neutral alpha-glucosidase C; FLJ40082;
 MGC138256;

Gene ID
 2595

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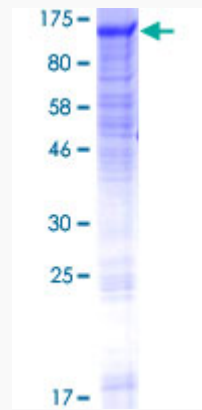
mRNA Refseq [NM_198141](#)

Protein Refseq [NP_937784](#)

MIM [104180](#)

UniProt ID [Q8TET4](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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