

Recombinant Full Length Human GANC Protein, GST-tagged

Cat. No. GANC-5380HF **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	In Vitro Cell Free System
ProteinLength	914 amino acids
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 RFQIINEASKVPLLAIEYGIEGNIFRLKINEETPLKPRFEVPDVLTSKPSTVRLISCSGDT GSLILADGKGDLKCHITANPFKVDLVSEEEVVISINSLGQLYFEHLQILHKQRAAKENE EETSVDTSQENQEDLGLWEEKFGKFVDIKANGPSSIGLDFSLHGFHLYGIPQHAES HQLKNTGDGDAYRLYNLDVYGYQIYDKMGIYGSVPYLLAHKLGRITIGIFWLNASETL VEINTEPAVEYTLTQMGPVAAKQKVRSRTHVHWMSESGIIDVFLLTGPTPSDVFKQY

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SHLTGTQAMPPLFSLGYHQCRWNYEDEQDVKAVDAGFDEHDIPYDAMWLDIEHTE
GKRYFTWDKNRFPNPKRMQELLRSKKRKLVVISDPHIKIDPDYSVYVKAQDQGFFVK
NQEGEDFEGVCWPGLSSYLDFTNPKVREWYSSLFAFPVYQGSTDILFLWNDMNEP
SVFRGPEQTMQKNAIHGHNWEHRELHNIYGFIHQMATAEGLIKRSKGKERPFVLTR
SFFAGSQKYGAVWTGDNTAEWSNLKISIPMLLTLSITGISFCGADIGGFIGNPETELLV
RWYQAGAYQPFFRGHATMNTKRREPWLFGEEHTRLIREAIRERYGLLPYWYSLFYH
AHVASQPVMRPLWVEFPDELKTFDMEDEYMLGSALLVHPVTEPKATTVDVFLPGSN
EVWYDYKTFAHWEGGCTVKIPVALDTIPVFQRGGSVIPKTTVGKSTGWMTESSYGL
RVALSTKGSSVGELYLDDGHSFYHLHQKQFLHRKFSCSSVLINSFADQQRGHYPSK
CVVEKILVLGFRKEPSSVTTHSSDGKDQPVAFITYCAKTSILSLEKLSLNIATDWEVRII

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;

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Gene ID	2595
mRNA Refseq	NM_198141
Protein Refseq	NP_937784
MIM	104180
UniProt ID	Q8TET4

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