

Recombinant Human GANAB, His-tagged

Cat. No. GANAB-27335TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 103-944 of Human alpha Glucosidase II isoform 2 with N terminal His tag; 842 amino acids, 104kDa.
Species	Human
Source	E.coli
ProteinLength	103-944 a.a.
Conjugation	HIS
Tissue specificity	Detected in placenta.
Form	Lyophilised:Reconstitute with 68 µl aqua dest.
Storage buffer	Preservative: NoneConstituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	IDELEPRRPRYRVPDVLVADPPIARLSVSGRDENSVELTM AEGPYKIILTARPFRLDL LEDRLSLLSVNARGLLFEH QRAPRVSQGSKDPAEGDGAQPEETPRDGDKEETQ GKA EKDEPGAWREETFKTHSDSKPYGPM SVGLDFSLPGMEHVG IPEHADNLR LKV TEGGEPYRLYNLDVFQYELYNPMALY GSPVLLAHNPHRDLGIFWLNA AETWVDIS SNTAGKTL FGKMMDY LQGSGETPQTDVRWMSETGIIDVFLLLGPSISD VFRQYASL

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TGTQALPPLFSLGYHQSRWNYRDEADVLEV DQGFDHNLPCDVIWLDIEHADGKR
 YFTWDPSRFPQPR TMLERLASKRRKLVAIVDPHIKVDSGYRVHEELRNGLYV KTR
 DGSDYEGWCWPGSAGYPDFTNPTMRAWWANMFSYD NYEGSAPNLFVWNDMNE
 PSVFNGPEVTMLKDAQHYGGW EHRDVHNIYGLYVHMATADGLRQRSGGMERPFV
 LARAFFAGSQRFGAVWTGDNTAEWDHLKISIPMCLSLGLVGLSFC GADVGGFFKNP
 EPELLVRWYQMGAYQPFFRAHAHLDTG RREPWLLPSQHNDIIRDALGQRYSLLPF
 WYTLLYQAGR EGIPVMRPLWVQYPQDVTTFNIDDQYLLGDALLVHPVSDS GAHGV
 QVYLPQGQGEVWYDIQSYQKHHGPQTLYLPVTL SIVVFQRRGGTIVPRWMRVRRSS
 ECMKDDPITLFVALSP QGTAQGELFLDDGHTFNYQTRQEFLRRFSFSGNTLVSSS
 ADPEGHFETPIWIERVVIIGAGKPAAVVLQTKGSPESR LSFQHDPETSVLVLRKPGIN
 VASDWSIHLR

**Sequence
Similarities**

Belongs to the glycosyl hydrolase 31 family.

GENE INFORMATION

Gene Name GANAB glucosidase, alpha; neutral AB [Homo sapiens]

Official Symbol GANAB

Synonyms GANAB; glucosidase, alpha; neutral AB; neutral alpha-glucosidase AB; G2AN; GlulI;
KIAA0088;

Gene ID 23193

mRNA Refseq NM_198334

Protein Refseq NP_938148

MIM 104160

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Uniprot ID	Q14697
Chromosome Location	11q12.3
Pathway	Asparagine N-linked glycosylation, organism-specific biosystem; Calnexin/calreticulin cycle, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; N-Glycan biosynthesis, organism-specific biosystem;
Function	carbohydrate binding; glucan 1,3-alpha-glucosidase activity; hydrolase activity, hydrolyzing O-glycosyl compounds;

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