

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: None Constituents: 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	<p>IDELEPRRPRYRVPDVLVADPPIARLSVSGRDENSVELTM AEGPYKIILTARPFRLDL LEDRSLLLSVNARGLLLEFEH QRAPRVSQGSKDPAEGDGAQPEETPRDGDKEETQ GKA EKDEPGAWEEFKTHSDSKPYGPM SVGLDFSLPGMEHVYG IPEHADNLRLKV TEGGEPYRLYNLDVFQYELYNPMALY GSPVLLAHNPHRDLGIFWLNAAETWVDIS SNTAGKTL FGKMMDYLQGSGETPQTDVRRWMSETGIIDVFLLLGPSISD VFRQYASL</p>

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TGTQALPPLFSLGYHQSRWNYRDEADVLEV DQGFDDHNLPCDVIWLDIEHADGKR
 YFTWDPSPRFQPR TMLERLASKRRKLVAVDPHIKVDSGYRVHEELRNGLYV KTR
 DGSDYEGWCWPGSAGYPDFNPTMRAWWANMFSYD NYEGSAPNLFVWDMNE
 PSVFNGPEVTMLKDAQHYGGW EHRDVHNIYGLYVHMATADGLRQRSGGMERPFV
 LARAFFAGSQRFGAVWTGDNTAEWDHLKISIPMCLSLGLVGLSFC GADVGGFFKNP
 EPELLVRWYQMGAYQPFFRAHAHLDTG RREPWLLPSQHNDIIRDALGQRYSLLPF
 WYTLLYQAHR EGIPVMRPLWVQYPQDVTTFNIDDQYLLGDALLVHPVSDS GAHGV
 QVYLLPGQGEVWYDIQSYQKHHGPQTLYLPVTL SIVVFQRGGTIVPRWMRVRRSS
 ECMKDDPITLFVALSP QGTAQGELFLDDGHTFNYQTRQEFLRRFSFGNTLVSSS
 ADPEGHFETPIWIERVVIIGAGKPAAVVLQTKGSPE SR 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; Glull; 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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