

O-GlcNAcase/OGA Protein, *B. theta*taiomicron (His)

Cat. No.:	HY-P79242
Synonyms:	O-GlcNAcase BT_4395; Beta-N-acetylglucosaminidase; Beta-N-acetylhexosaminidase; Beta-hexosaminidase; Hexosaminidase B; N-acetyl-beta-glucosaminidase
Species:	Others
Source:	<i>E. coli</i>
Accession:	Q89Z12 (Q22-K737)
Gene ID:	1074035
Molecular Weight:	80-95 kDa

PROPERTIES

AA Sequence

Q N V S L Q P P P Q	Q L I V Q N K T I D	L P A V Y Q L N G G	E E A N P H A V K V
L K E L L S G K Q S	S K K G M L I S I G	E K G D K S V R K Y	S R Q I P D H K E G
Y Y L S V N E K E I	V L A G N D E R G T	Y Y A L Q T F A Q L	L K D G K L P E V E
I K D Y P S V R Y R	G V V E G F Y G T P	W S H Q A R L S Q L	K F Y G K N K M N T
Y I Y G P K D D P Y	H S A P N W R L P Y	P D K E A A Q L Q E	L V A V A N E N E V
D F V W A I H P G Q	D I K W N K E D R D	L L L A K F E K M Y	Q L G V R S F A V F
F D D I S G E G T N	P Q K Q A E L L N Y	I D E K F A Q V K P	D I N Q L V M C P T
E Y N K S W S N P N	G N Y L T T L G D K	L N P S I Q I M W T	G D R V I S D I T R
D G I S W I N E R I	K R P A Y I W W N F	P V S D Y V R D H L	L L G P V Y G N D T
T I A K E M S G F V	T N P M E H A E S S	K I A I Y S V A S Y	A W N P A K Y D T W
Q T W K D A I R T I	L P S A A E E L E C	F A M H N S D L G P	N G H G Y R R E E S
M D I Q P A A E R F	L K A F K E G K N Y	D K A D F E T L Q Y	T F E R M K E S A D
I L L M N T E N K P	L I V E I T P W V H	Q F K L T A E M G E	E V L K M V E G R N
E S Y F L R K Y N H	V K A L Q Q Q M F Y	I D Q T S N Q N P Y	Q P G V K T A T R V
I K P L I D R T F A	T V V K F F N Q K F	N A H L D A T T D Y	M P H K M I S N V E
Q I K N L P L Q V K	A N R V L I S P A N	E V V K W A A G N S	V E I E L D A I Y P
G E N I Q I N F G K	D A P C T W G R L E	I S T D G K E W K T	V D L K Q K E S R L
S A G L Q K A P V K	F V R F T N V S D E	E Q Q V Y L R Q F V	L T I E K K

Biological Activity

Measured by its ability to cleave a peptide substrate, 4-methylumbelliferyl-N-acetyl-beta-D-glucosaminide. Read at excitation and emission wavelengths of 365 nm and 445 nm. The specific activity is 3120.1541 pmol/min/μg, as measured under the described conditions.

Appearance

Lyophilized powder.

Formulation

Lyophilized from a 0.2 μm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4.

Endotoxin Level

<1 EU/μg, determined by LAL method.

Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH₂O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer. It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA