

Glucosamine (N-acetyl)-6-Sulfatase/GNS Protein, Human (HEK293, His)

Cat. No.:	HY-P70300
Synonyms:	rHuN-acetylglucosamine-6-sulfatase/GNS, His; N-Acetylglucosamine-6-Sulfatase; Glucosamine-6-Sulfatase; G6S; GNS
Species:	Human
Source:	HEK293
Accession:	P15586 (V37-L552)
Gene ID:	2799
Molecular Weight:	Approximately 90 kDa

PROPERTIES

AA Sequence

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

Biological Activity The enzyme activity of this recombinant protein is testing in progress, we cannot offer a guarantee yet.

Appearance Solution.

Formulation Supplied as a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl, 10% Glycerol, pH 8.0.

Endotoxin Level <1 EU/µg, determined by LAL method.

Reconstitution N/A

Storage & Stability Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.

Shipping Shipping with dry ice.

DESCRIPTION

Background

Sulfatase catalyzes the hydrolysis of O- and N-sulfate esters from various substrates. Most sulfatases are found in lysosomes. Used to remove sulfate from glycosaminoglycans (GAGs), glycopeptides and glycolipids (GLs). N-acetylglucosamine-6-sulfatase is a lysosomal enzyme present in all cells. It is involved in the catabolism of heparin, heparin sulfate and keratin sulfate. Deficiency of this enzyme leads to inadequate substrate accumulation and lysosomal storage impairment IIID mucopolysaccharidosis^{[1][2][3][4]}.

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