



# Cytosolic Endo-beta-N-acetylglucosaminidase, Recombinant, Human, aa1-377, His-SUMO-tag (ENGASE)

## Catalog number

405899

## Supplier

United States Biological

Endoglycosidase that releases N-glycans from glycoproteins by cleaving the beta-1,4-glycosidic bond in the N,N'-diacetylchitobiose core. Involved in the processing of free oligosaccharides in the cytosol.

## Source

Recombinant protein corresponding to aa1-377 from Human Cytosolic Endo-beta-N-acetylglucosaminidase, fused to His-SUMO-tag at N-terminal, expressed in *E. coli*.

## Molecular Weight

~59.1kD

## AA Sequence

MEAAAVTVTRSATRRRRRQLQGLAAPEAGTQEEQEDQEPRRRRRPGRSIKDEEEETVFREVVSFSPDPLPVRYD  
KDTTKPISFYLSLEELLAWKPRLEDGFNVALEPLACRQPPLSSQRPRTLLCHDMMGGYLDDRFIQGSVVQTPYAFY  
HWQCIDVFVYFSHHTVTIPPVGTNTAHRHGVCVLGTFITWNEGGRLCEAFLAGDERSYQAVADRLVQITQFFRF  
DGLWLNINSLSLAAVGNMPPFLRYLTTQLHRQVPGGLVLWYDSVVQSGQLKWQDELNQHNRVFFDSCDGFFTNY  
NWREEHLERMLGQAGERRADVYGVDFARGNVVGGRFDTDKSLELIRKHGFSVALFAPSCSVFPGVGNLLCC

## Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 6 months after receipt at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

## Formulation

Supplied as a liquid in Tris, 50% glycerol.

## Purity

~85% (SDS-PAGE)

## Grade

Purified

## Storage

-20°C

## MW

59.1

## Antigen Modification



Recombinat, E. coli

### Reference

1. Endo-beta-N-acetylglucosaminidase, an enzyme involved in processing of free oligosaccharides in the cytosol." Suzuki T., Yano K., Sugimoto S., Kitajima K., Lennarz W.J., Inoue S., Inoue Y., Emori Y. Proc. Natl. Acad. Sci. U.S.A. 99:9691-9696(2002).