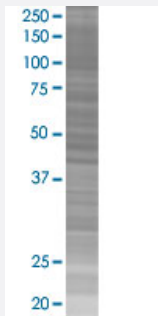


GBA 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00002629-T04

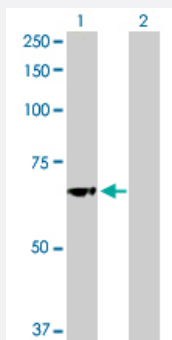
Size 100 uL

Applications



SDS-PAGE Gel

GBA transfected lysate.



Western Blot

Lane 1: GBA transfected lysate (59.70 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-GBA full-length
Host	Human
Theoretical MW (kDa)	59.7
Interspecies Antigen Sequence	Mouse (86); Rat (88)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-GBA antibody ([H00002629-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 GBA transfected lysate.
 Western Blot
 Lane 1: GBA transfected lysate (59.70 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — GBA

Entrez GeneID

[2629](#)

GeneBank Accession#

[NM_000157.2](#)

Protein Accession#

[AAH03356.1](#)

Gene Name

GBA

Gene Alias

GBA1, GCB, GLUC

Gene Description

glucosidase, beta; acid (includes glucosylceramidase)

Omim ID

[230800](#) [230900](#) [231000](#) [231005](#) [606463](#) [608013](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a lysosomal membrane protein that cleaves the beta-glucosidic linkage of glycosylceramide, an intermediate in glycolipid metabolism. Mutations in this gene cause Gaucher disease, a lysosomal storage disease characterized by an accumulation of glucocerebrosides. A related pseudogene is approximately 12 kb downstream of this gene on chromosome 1. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

D-glucosyl-N-acylsphingosine glucosylhydrolase|OTTHUMP00000033992|OTTHUMP00000033993|glucocerebrosidase|glucocerebrosidase (alt.)|lysosomal glucocerebrosidase

Pathway

- [Lysosome](#)
- [Metabolic pathways](#)
- [Other glycan degradation](#)
- [Sphingolipid metabolism](#)

Disease

- [Alzheimer disease](#)
- [Bone Diseases](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Cystic fibrosis](#)
- [Deafness](#)
- [Dementia](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Epilepsy](#)
- [Essential tremor](#)
- [Gaucher disease](#)
- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Hypergammaglobulinemia](#)
- [Hypertension](#)
- [Lewy Body Disease](#)

- [Multiple Myeloma](#)
- [Multiple System Atrophy](#)
- [Neoplasms](#)
- [Nervous System Diseases](#)
- [Neuropsychological Tests](#)
- [Parkinson disease](#)
- [Parkinsonian Disorders](#)
- [Postmortem Changes](#)
- [Supranuclear Palsy](#)