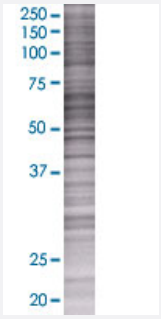
HEXA 293T Cell Transient Overexpression Lysate(Denatured)

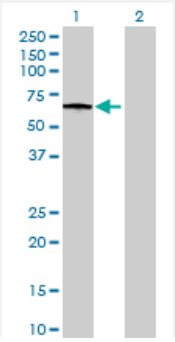
Catalog # H00003073-T01 Size 100 uL

Applications



SDS-PAGE Gel

HEXA transfected lysate.



Western Blot

Lane 1: HEXA transfected lysate (58.3 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-HEXA full-length
Host	Human
Theoretical MW (kDa)	58.3
Quality Control Testing	Transient overexpression cell lysate was tested with Anti-HEXA antibody (H00003073-B01) by Western Blots. SDS-PAGE Gel HEXA transfected lysate. Western Blot Lane 1: HEXA transfected lysate (58.3 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 — HEXA

Entrez GeneID	3073
GeneBank Accession#	NM_000520.2
Protein Accession#	NP_000511.1
Gene Name	HEXA
Gene Alias	MGC99608, TSD
Gene Description	hexosaminidase A (alpha polypeptide)
Omim ID	272800 606869
Gene Ontology	Hyperlink
Gene Summary	This gene encodes the alpha subunit of the lysosomal enzyme beta-hexosaminidase that, together with the cofactor GM2 activator protein, catalyzes the degradation of the ganglioside GM2, and other molecules containing terminal N-acetyl hexosamines. Beta-hexosaminidase is composed of two subunits, alpha and beta, which are encoded by separate genes. Both beta-hexosaminidase alpha and beta subunits are members of family 20 of glycosyl hydrolases. Mutations in the alpha or beta subunit genes lead to an accumulation of GM2 ganglioside in neurons and neurodegenerative disorders termed the GM2 gangliosidoses. Alpha subunit gene mutations lead to Tay-Sachs disease (GM2-gangliosidosis type I). [provided by RefSeq
Other Designations	GM2 gangliosidosis|N-acetyl-beta-glucosaminidase|Tay Sachs disease|beta-N-acetylhexosaminidase|hexosaminidase A

Pathway

- Amino sugar and nucleotide sugar metabolism
- Glycosaminoglycan degradation

- Glycosphingolipid biosynthesis - ganglio series
- Glycosphingolipid biosynthesis - globo series
- Lysosome
- Metabolic pathways
- Other glycan degradation

Disease

- Genetic Predisposition to Disease
- Sandhoff Disease
- Tay-Sachs disease