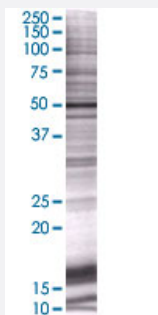


HGD 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00003081-T01

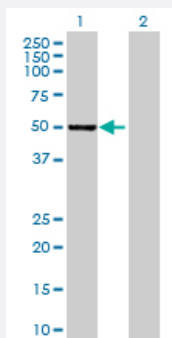
Size 100 uL

Applications



SDS-PAGE Gel

HGD transfected lysate.



Western Blot

Lane 1: HGD transfected lysate (49.06 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-HGD full-length

Host Human

Theoretical MW (kDa) 49.06

Quality Control Testing Transient overexpression cell lysate was tested with Anti-HGD antibody ([H00003081-B01](#)) by Western Blots.
SDS-PAGE Gel
HGD transfected lysate.
Western Blot
Lane 1: HGD transfected lysate (49.06 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 — HGD

Entrez GeneID	3081
GeneBank Accession#	NM_000187.1
Protein Accession#	AAH71757.1
Gene Name	HGD
Gene Alias	AKU, HGO
Gene Description	homogentisate 1,2-dioxygenase (homogentisate oxidase)
Omim ID	203500 607474
Gene Ontology	Hyperlink
Gene Summary	Homogentisate 1,2-dioxygenase (HGD) gene mutations are the molecular cause of alkaptonuria, a rare hereditary disorder of the phenylalanine catabolism. The highest expression of HGD is in the prostate, small intestine, colon, and liver. The HGD gene contains 14 exons. Conflicting reports have placed the gene at 3q2, 3q13.3-q21, 3q21-q24, 3q21-q23, or 3q25-q26. [provided by RefSeq]
Other Designations	homogentisate 1,2-dioxygenase homogentisicase

Pathway

- [Metabolic pathways](#)
- [Styrene degradation](#)
- [Tyrosine metabolism](#)