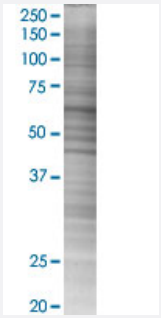
HSPD1 293T Cell Transient Overexpression Lysate(Denatured)

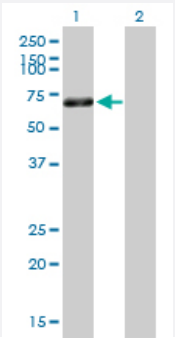
Catalog # H00003329-T02 Size 100 uL

Applications



SDS-PAGE Gel

HSPD1 transfected lysate.



Western Blot

Lane 1: HSPD1 transfected lysate (61.10 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-HSPD1 full-length
Host	Human
Theoretical MW (kDa)	61.1
Interspecies Antigen Sequence	Mouse (98); Rat (98)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-HSPD1 antibody (H00003329-B01P) by Western Blots. SDS-PAGE Gel HSPD1 transfected lysate. Western Blot Lane 1: HSPD1 transfected lysate (61.10 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 — HSPD1

Entrez GeneID	3329
GeneBank Accession#	NM_002156.4
Protein Accession#	NP_002147.2
Gene Name	HSPD1
Gene Alias	CPN60, GROEL, HLD4, HSP60, HSP65, HuCHA60, SPG13
Gene Description	heat shock 60kDa protein 1 (chaperonin)
Omim ID	118190 605280
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the chaperonin family. The encoded mitochondrial protein may function as a signaling molecule in the innate immune system. This protein is essential for the folding and assembly of newly imported proteins in the mitochondria. This gene is adjacent to a related family member and the region between the 2 genes functions as a bidirectional promoter. Two pseudogenes, both located on chromosome 8, have been associated with this gene. Two transcript variants encoding the same protein have been identified for this gene. Mutations associated with this gene cause autosomal recessive spastic paraplegia 13. [provided by RefSeq
Other Designations	P60 lymphocyte protein|chaperonin|heat shock 60kD protein 1 (chaperonin)|heat shock protein 65|mitochondrial heat shock 60kD protein 1 variant 1|mitochondrial matrix protein P1|short heat shock protein 60 Hsp60s1|spastic paraplegia 13 (autosomal dominant)

Pathway

- RNA degradation
- Type I diabetes mellitus

Disease

- Alzheimer disease
- Arthritis
- Cardiovascular Diseases
- Coronary Disease
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Genetic Predisposition to Disease
- Metabolic Syndrome X
- Multiple Sclerosis
- Neoplasms
- Osteoporosis
- Spastic Paraplegia