

HSPD1 (Human) ELISA Kit

Catalog # KA1843

Size 1 Kit

Specification

Product Description	HSPD1 (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of human HSPD1.
Suitable Sample	Cell Culture Supernatant, Cell Lysate, Plasma, Serum, Tissue Samples
Sample Volume	50 μ L
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	2.5 to 80 ng/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

Applications

- Quantification

Gene Info — HSPD1

Entrez GeneID	3329
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](#)