

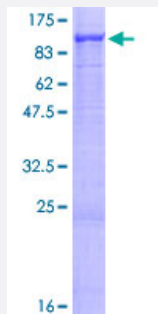
Full-Length

YME1L1 (Human) Recombinant Protein (P01)

Catalog # H00010730-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human YME1L1 full-length ORF (NP_647474.1, 1 a.a. - 740 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MFSLSSSTVQPQVTVPPLSHLINAFTPKNTSVSLSGVSVSQNQHRDVVPEHEAPSSSECMFSDFLT
KLNIVSIGKGKIFEGYRSMFMEPAKRMKKSLDTTDNWHIRPEPFSLSIPPSLNLRDLGLSELKIGQID
QLVENLLPGFCKGKNISHWHTSHVSAQSFFENKYGNLDIFSTLRSSCLYRHHSRALQSICSDLQY
WPVFIQSRGFKTLKSRTRRLQSTSERLAETQNIAPSFVKGFLLRDRGSDVESLDKLMKTKNIPEAH
QDAFKTGFAEGFLKAQALTQKTNDLSLRTRRLILFVLLLFGIYGLLKNPFLSVRFRTTGLDSAVDPV
QMKNVTFEHVKGVEEAKQELQEVVEFLKNPQKFILGGKLPKGILLVGPPGTGKTLLARAVAGEA
DVPFYYASGSEFDEMFGVGASRIRNLFREAKANAPCVIFIDELDSVGGKRIESPMHPYSRQTINQ
LLAEMDGFKPNEGVIIGATNFPEALDNALIRPGRFDMQVTPRPDVKGRTILKWYLNKIKFDQSV
DPEIARGTVGFSGAELENLVNQAALKAADVKGEMVTMKELEFSKDKILMGPERRSVEIDNKNKTI
TAYHESGHAIAYTKDAMPINKATIMPRGPTLGHVSLLPENDRWNETRAQLLAQMDVSMGGRVAE
ELIFGTDHITTGASSDFDNATKIAKRMVTKFGMSEKLGVMYTSDTGKLSPETQSAIEQEIRILLRDSY
ERAKHILKTHS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

109.1

Interspecies Antigen Sequence

Mouse (86); Rat (86)

Preparation Method

[in vitro wheat germ expression system](#)

Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — YME1L1

Entrez GeneID	10730
GeneBank Accession#	NM_139313.1
Protein Accession#	NP_647474.1
Gene Name	YME1L1
Gene Alias	FTSH, MEG4, PAMP, YME1L
Gene Description	YME1-like 1 (S. cerevisiae)
Omim ID	607472
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is the human ortholog of yeast mitochondrial AAA metalloprotease, Yme1p. It is localized in the mitochondria and can functionally complement a yme1 disruptant yeast strain. It is proposed that this gene plays a role in mitochondrial protein metabolism and could be involved in mitochondrial pathologies. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

ATP-dependent metalloprotease FtsH1 homolog|OTTHUMP00000019360|OTTHUMP00000019361|YME1-like 1

Disease

- [Alzheimer Disease](#)
- [Genetic Predisposition to Disease](#)