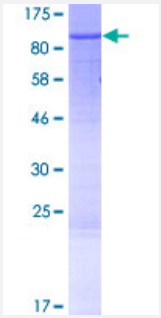
Full-Length

YME1L1 (Human) Recombinant Protein (P02)

Catalog # H00010730-P02 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human YME1L1 full-length ORF (NP_055078.1, 1 a.a. - 716 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MFSLSSTVQPQVTVPLSHLINAFHTPKNTSVSLSGVSVSQNQHRDVVPEHEAPSSEPSLNLRDL GLSELKIGQIDQLVENLLPGFCKGKNISSHWHTSHVSAQSFFENKYGNLDIFSTLRSSCLYRHHSR ALQSICSDLQYWPVFIQSRGFKTLKSRTRRLQSTSERLAETQNIAPSFVKGFLLRDRGSDVESLDK LMKTKNIPEAHQDAFKTGFAEGFLKAQALTQKTNDSLRRTRLILFVLLLFGIYGLLKNPFLSVRFRTT TGLDSAVDPVQMKNVTFEHVKGVEEAKQELQEVVEFLKNPQKFTILGGKLPKGILLVGPPGTGKT LLARAVAGEADVPFYYASGSEFDEMFVGVGASRIRNLFREAKANAPCVIFIDELDSVGGKRIESPM HPYSRQTINQLLAEMDGFKPNEGVIIIGATNFPEALDNALIRPGRFDMQVTVPRPDVKGRTEILKWY LNKIKFDQSVDPEIIARGTVGFSGAELENLVNQAALKAAVDGKEMVTMKELEFSKDKILMGPERRS VEIDNKNKTITAYHESGHAIIAYYTKDAMPINKATIMPRGPTLGHVSLLPENDRWNETRAQLLAQMDV SMGGRVAEELIFGTDHITTGASSDFDNATKIAKRMVTKFGMSEKLGVMTYSDTGKLSPETQSAIEQ EIRILLRDSYERAKHILKTHAKEHKNLAEALLTYETLDAKEIQIVLEGKKLEVR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	106.2
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_014263.2
Protein Accession#	NP_055078.1
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 metalloprote ase, 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 cou ld be involved in mitochondrial pathologies. Two transcript variants encoding different isoforms ha ve 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