OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR52022PU-S

Legumain (18-435, His-tag) Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Legumain (18-435, His-tag) mouse protein, 50 µg
Species:	Mouse
Expression Host:	Insect
Expression cDNA Clone or AA Sequence:	VPVGVDDPED GGKHWVVIVA GSNGWYNYRH QADACHAYQI IHRNGIPDEQ IIVMMYDDIA NSEENPTPGV VINRPNGTDV YKGVLKDYTG EDVTPENFLA VLRGDAEAVK GKGSGKVLKS GPRDHVFIYF TDHGATGILV FPNDDLHVKD LNKTIRYMYE HKMYQKMVFY IEACESGSMM NHLPDDINVY ATTAANPKES SYACYYDEER GTYLGDWYSV NWMEDSDVED LTKETLHKQY HLVKSHTNTS HVMQYGNKSI STMKVMQFQG MKHRASSPIS LPPVTHLDLT PSPDVPLTIL KRKLLRTNDV KESQNLIGQI QQFLDARHVI EKSVHKIVSL LAGFGETAER HLSERTMLTA HDCYQEAVTH FRTHCFNWHS VTYEHALRYL YVLANLCEAP YPIDRIEMAM DKVCLSHYLE HHHHHH
Tag:	His-tag
Predicted MW:	48.6 kDa
Concentration:	lot specific
Purity:	>90% by SDS – PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Endotoxin:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_035305
Locus ID:	19141
UniProt ID:	O89017, A2RTI3, Q3UE99
Cytogenetics:	12 E
Synonyms:	A; AEP; AI746452; AU022324; Pr; Prsc1

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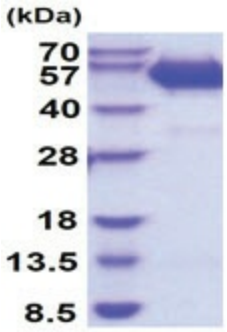
Summary: This gene encodes a member of the cysteine peptidase family C13 that plays an important role in the endosome/lysosomal degradation system. The encoded inactive preproprotein undergoes autocatalytic removal of the C-terminal inhibitory propeptide to generate the active endopeptidase that cleaves protein substrates on the C-terminal side of asparagine residues. Mice lacking the encoded protein exhibit defects in the lysosomal processing of proteins resulting in their accumulation in the lysosomes, and develop symptoms resembling hemophagocytic lymphohistiocytosis. [provided by RefSeq, Aug 2016]

Product images:



15% SDS-PAGE (3ug)