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Product datasheet for TP515191

Ctsh (NM_007801) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cathepsin H (Ctsh), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR215191 representing NM_007801 Red=Cloning site Green=Tags(s) MWAALPLLCAGAWLLSTGATAELTVNAIEKFHFKSWMKQHQKTYSSVEYNHRLQMFANNWRKIQAHNQRN HTFKMALNQFSDMSFAEIKHKFLWSEPQNCSATKSNYLRGTGPYPSSMDWRKKGNVVSPVKNQGACGSCW TFSTTGALESAVAIASGKMLSLAEQQLVDCAQAFNNHGCKGGLPSQAFEYILYNKGIMEEDSYPYIGKDS SCRFNPQKAVAFVKNVVNITLNDEAAMVEAVALYNPVSFAFEVTEDFLMYKSGVYSSKSCHKTPDKVNHA VLAVGYGEQNGLLYWIVKNSWGSQWGENGYFLIERGKNMCGLAACASYPIPQV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	37.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_031827
Locus ID:	13036
UniProt ID:	P49935

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RefSeq Size:	1627
Cytogenetics:	9 47.4 cM
RefSeq ORF:	999
Synonyms:	AL022844
Summary:	This gene encodes a member of the peptidase C1 (papain) family of cysteine proteases. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate multiple protein products. These products include the cathepsin H mini, heavy, and light chains. In rat and human, these three chains can associate to form the mature enzyme, which has both aminopeptidase and endopeptidase activities. Homozygous knockout mice for this gene exhibit impaired lung surfactant processing and reduced tumorigenesis in a pancreatic cancer model. Multiple pseudogenes of this gene have been identified in the genome. [provided by RefSeq, Aug 2015]