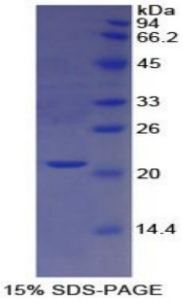
Human Cathepsin L1 (CTSL) Protein

Catalogue No.:abx065826



SDS-PAGE analysis of recombinant Human Cathepsin L Protein.

Human Cathepsin L1 (CTSL) is a recombinant Human protein produced in a Prokaryotic expression system (E. coli).

This protein is the immunogen for the following antibodies: abx100765

Target:	Cathepsin L1 (CTSL)
Origin:	Human
Expression:	Recombinant
Tested Applications:	WB, SDS-PAGE
Host:	E. coli
Conjugation:	Unconjugated
Form:	Lyophilized
Purity:	> 97%
Reconstitution:	To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH_2O. If a lower concentration is required, dilute in 20 mM Tris, 150 mM NaCl, pH 8.0. If a higher concentration is required, the product can be reconstituted directly in 20 mM Tris, 150 mM NaCl, pH 8.0, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.
Storage:	Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P07711 (UniProt, ExPASy)
Gene Symbol:	CTSL

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GeneID:	1514
OMIM:	116880
HGNC:	2537
KEGG:	hsa:1514
Ensembl:	ENSG00000135047
String:	9606.ENSP00000345344
Molecular Weight:	Calculated MW: 20.3 kDa Observed MW (SDS-PAGE): 26 kDa Possible reasons why the actual band size differs from the predicted band size: 1. Splice variants. Alternative splicing may create different sized proteins from the same gene. 2. Relative charge. The composition of amino acids may affect the charge of the protein. 3. Post-translational modification. Phosphorylation, glycoslyation, methylation etc. may affect the band size. 4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form. 5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.
Sequence Fragment:	Ala114-Thr288
Sequence:	APRSVDW REKGYVTPVK NQGQCGSCWA FSATGALEGQ MFRKTGRLIS LSEQNLVDCS GPQGNEGCNG GLMDYAFQYV QDNGGLDSEE SYPYEATEES CKYNPKYSVA NDTGFVDIPK QEKALMKAVA TVGPISVAID AGHESFLFYK EGIYFEPDCS SEDMDHGVLV VGYGFEST
Tag:	N-terminal His tag
Buffer:	Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 1 mM EDTA, 1 mM DTT, 0.01% Sarcosyl, 5% Trehalose and Proclin-300.
Activity:	Not tested
Concentration:	Prior to lyophilization: 200 μg/ml
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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