

## Recombinant Human Cathepsin L2/CTSL2 Protein (His Tag)

**Catalog Number:** PKSH032183

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

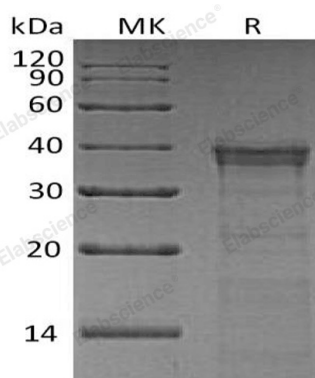
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human Cathepsin L2;CTSL2 protein Val18-Val334, with an C-terminal His
<b>Calculated MW</b>	36.7 kDa
<b>Observed MW</b>	33-43 kDa
<b>Accession</b>	O60911
<b>Bio-activity</b>	Not validated for activity

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Concentration</b>	Subject to label value.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.
<b>Shipping</b>	This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C.
<b>Formulation</b>	Supplied as a 0.2 µm filtered solution of 20mM MES, 150mM NaCl, 5% Trehalose, 5% Mannitol, 0.01% Tween 80, pH5.5.

### Data



> 95 % as determined by reducing SDS-PAGE.

### Background

Cathepsin L2 belongs to the Peptidase C1 family. Cathepsin L2 can be autocatalytically converted to the mature form as a proenzyme in lysosomes at pH=7.0. Cathepsin L2 cannot be expressed in normal mammary gland, colon and peritumoral tissue, but it can be expressed in breast carcinomas and colorectal tissues. These suggests Cathepsin L2 may play a role in tumor processes. Cathepsin L2 is specifically expressed in the testis, thymus, and corneal epithelium.

### For Research Use Only

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