



Recombinant Protein Technical Manual
Recombinant Human Cathepsin L/CTSL Protein (His
Tag)
RPES4674

Product Data:

Product SKU: RPES4674

Size: 10 μ g

Species: Human

Expression host: Human Cells

Uniprot: P07711

Protein Information:

Molecular Mass: 36.9 kDa

AP Molecular Mass: 34 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per μ g as determined by the LAL method.

Storage: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.

Shipping: 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.

Formulation: Supplied as a 0.2 μ M filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.5.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Cathepsin L1; Major Excreted Protein; MEP; CTSL1; CTSL

Immunogen Information:

Sequence: Thr18-Val333

Background:

Cathepsin L is an enzyme. Cathepsin L, a lysosomal endopeptidase expressed in most eukaryotic cells, is a member of the papain-like family of cysteine proteinases. Cathepsin L plays a major role in antigen processing, tumor invasion and metastasis, bone resorption, and turnover of intracellular and secreted proteins involved in growth regulation. Unlike the precursor forms of other papain family members, the 43 kDa pro-cathepsin L itself is secreted from various cells. Pro-cathepsin L is the major excreted protein of malignantly transformed mouse fibroblasts and is also one of the major acidic cysteine proteases in mammalian cells.