



Recombinant Protein Technical Manual

Recombinant Human Cathepsin L2/CTSL2 Protein (His Tag) RPES4695

Product Data:

Product SKU: RPES4695

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: O60911

Protein Information:

Molecular Mass: 36.7 kDa

AP Molecular Mass: 39 kDa

Tag: C-6His

Bio-activity:

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

Endotoxin: < 1.0 EU per µg 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 µm filtered solution of 20mM MES, 150mM NaCl, pH 5.5.

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

Application:

Synonyms: Cathepsin L2; Cathepsin U; Cathepsin V; CTSL2; CATL2; CTSU; CTSV

Immunogen Information:

Sequence: Val18-Val334

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 suggest Cathepsin L2 may play a role in tumor processes. Cathepsin L2 is specifically expressed in the testis, thymus, and corneal epithelium.