



Recombinant Protein Technical Manual
Recombinant Human Cathepsin Z Protein (His Tag)
RPES4454

Product Data:

Product SKU: RPES4454

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: Q9UBR2

Protein Information:

Molecular Mass: 32.5 kDa

AP Molecular Mass: 37 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 HAc-NaAc, 150mM NaCl, pH 4.0.

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

Application:

Synonyms: Cathepsin Z; Cathepsin P; Cathepsin X; CTSZ

Immunogen Information:

Sequence: Gly24-Val303

Background:

Cathepsin Z is a lysosomal cysteine proteinase and belongs to the peptidase C1 family. Human Cathepsin Z contains a signal sequence, a propeptide and a mature chain. It exhibits both carboxy-monopeptidase and carboxy-dipeptidase activities. In contrast to cathepsin B, it does not act as an endopeptidase. Cathepsin Z is restricted to the cells of the immune system, predominantly monocytes, macrophages and dendritic cells. It is expressed ubiquitously in cancer cell lines and primary tumors. Like other members of this family, Cathepsin Z may be involved in tumorigenesis.