

Recombinant Human CTSZ (C-6His)

Catalog No: C438

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| Description | Recombinant Human Cathepsin Z is produced by our Mammalian expression system and the target gene encoding Gly24-Val303 is expressed with a 6His tag at the C-terminus. |
| Source | Human Cells |
| Alternative name | Cathepsin Z; Cathepsin P; Cathepsin X; CTSZ |
| Accession No. | Q9UBR2 |
| Predicted Molecular Weight | 32.51kDa |
| AP Molecular Weight | 37-40kDa, reducing conditions. |
| Formulation | Supplied as a 0.2 µm filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.0. |
| Quality Control | Purity: Greater than 95% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test. |
| Shipping | The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below. |
| Storage | Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. |
| 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. |

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