



Glutaminyl-Peptide Cyclotransferase, Recombinant, Mouse, aa36-362, His-Tag (Qpct)

Catalog number

517934

Supplier

United States Biological

Responsible for the biosynthesis of pyroglutamyl peptides. Has a bias against acidic and tryptophan residues adjacent to the N-terminal glutaminyl residue and a lack of importance of chain length after the second residue.

Source

Recombinant protein corresponding to aa36-362 of mouse Glutaminyl-Peptide Cyclotransferase, fused to 6xHis-Tag at N-terminal, expressed in Yeast.

Molecular Weight

~39.6kD

AA Sequence

AWTQEKNHHQPAHLNSSSLQQVAEGTISEMWQNDLRPLLIERYPGSPGSYSARQHIMQRIQRLQAEWVVEVDTF
LSRTPYGYRSFSNIISTLNPEAKRHLVLACHYDSKYFPRWDSRVFVGATDSAVPCAMMLELARALDKKLHSLKDVSG
SKPDLSLRLIFFDGEAAFHHWSPQDSLYGSRHLAQKMASSPHPPGSRGTNQLDGMDDLVLDDLIGANPTFPNFFPK
TTRWFNRLQAIEKELYELGLLKDHSLERKYFQNFQYGNIIQDDHIPFLRKGVPVLHLIASPFPEVWHTMDDNEENLHA
STIDNLNKIIQVFVLEYLHL

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 6 months after receipt at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Formulation

Supplied as a liquid in Tris-HCl, pH 8.0, 1mM EDTA, 50% glycerol.

Purity

≥90% (SDS-PAGE)

Grade

Purified

Storage

-20°C

MW

39.6



Antigen Modification

Recombinant, Yeast