

Product Data Sheet

□ Cat # RP-427

Recombinant Human Ubiquitin Conjugating enzyme 10

Size: □ 10 ug

UbcH10 is an essential mediator of mitotic destruction events and cell cycle progression. It catalyzes the destruction of cyclins A and B in conjunction with the anaphase-promoting complex, and therefore, plays an important role in the control of the cell exit from mitosis. This activity is essential at the end of mitosis for the inactivation of their partner kinase Cdc2 and exit from mitosis into G1 of the next cell cycle. In addition, UbcH10 bears homology to yeast PAS2, a gene that is essential for biogenesis of peroxisomes. UbcH10 is useful for *in vitro* ubiquitinylation reactions.

store in liquid at 4°C for ~1 week or aliquots in suitable size and store at -20°C for long term storage.

Rev. 130225P

Source:

Escherichia Coli. Ubiquitin Conjugating Enzyme 10 Human Recombinant produced in E.coli is a 21.1 kDa protein containing 191 amino acids. The Ubc10 protein contains 6xHis tag and is purified by proprietary chromatographic techniques. Lyophilized from a 0.2µm filtered concentrated (1 mg/ml) solution in 1X PBS and 1mM DTT, pH 7.5.

Application and Suggested Dilution:

It is recommended to reconstitute the lyophilized Ubc10 in sterile water not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Users must optimize the appropriate concentration and conditions for each.

Stability:

Lyophilized Ubc10 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Ubc10 should be stored at 4°C between 2-7 days and for future use below -18°C.

For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Please prevent freeze-thaw cycles.

Purity:

Greater than 95.0% as determined by

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Amino acid sequence:

MHHHHHHAMGIRMASQNRDPAATSVAAARKGAEPSSGGAARGP
VGKRLQQELMTLMMMSGDKGISAFPESDNLFKWWVGTIHGAAGTV
YEDLRYKLSLEFPGSYYPNAPTVMKFLTPCYHPNVDTQGNICLDIL
KEKWSALYDVRTILLSIQSLLGEPNIDSPLNTHAAELWKNPTAFKK
YLQESKQVTSQEP.

Usage:

This item is for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals. If supplied in powder then reconstitute it in 100 ul water for 1 mg/ml stock and

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