

Flogen[®] Recombinant Human Ubiquitin Conjugating

Enzyme E2 D3/UBC5C, His (rHuUBE2D3/UBC5C, His)

Catalog Number:	PGR0501-005
Source:	<i>Escherichia coli</i> .
Molecular Weight:	Approximately 17.7 kDa, a single non-glycosylated polypeptide chain containing 147 amino acids (a.a.) of human UBE2D3/UBC5C and 8 a.a. vector sequence including 6 × His tag at N-terminus.
Quantity:	10µg/50µg/1000µg
AA Sequence:	MHHHHHHA MA LKRINKELSD LARDPPAQCS AGPVGDDMFH WQATIMGPND SPYQGGVFFL TIHFPTDYPF KPPKVAFTTR IYHPNINSNG SICLDILRSQ WSPALTISKV LLSICSLLCD PNPDDPLVPE IARIYKTDRD KYNRISREWT QKYAM
Purity:	>95% by SDS-PAGE and HPLC analyses.
Biological Activity:	Data is not available.
Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.
Formulation:	Lyophilized from a 0.2µm filtered concentrated solution in PBS, 1mM DTT, pH 7.5.
Endotoxin:	Less than 1EU/µg of rHuUBE2D3/UBC5C, His as determined by LAL method.
Reconstitution:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1% BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at <-20°C. Further dilutions should be made in appropriate buffered solutions.
Storage:	This lyophilized preparation is stable at 2-8°C, but should be kept at -20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2-8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at -20°C to -70°C. Avoid repeated freeze/thaw cycles.
Usage:	For research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.

Human Ubiquitin Conjugating Enzyme E2 D3/UBC5C, His

HUbiquitin Conjugating Enzyme E2 D3 (UBE2D3)/UBC5C enzymes are human homologs of the yeast Ubc4/5 family and play many important regulatory roles in inflammation and cancer. UbcH5a mediates the degradation of a myriad of short-lived regulatory proteins (such as p53 in the presence of E6/E6-AP or MDM2, c-Fos, IκBα, p105) and abnormal proteins. UBE2D3 has 88% and 89% sequence identity with UbcH5a and UbcH5b respectively.