UBE2Z
Cat. # UB230

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Background UBE2Z is a ubiquitin-conjugating enzyme (E2) that appears to be a specific substrate for the Uba6 ubiquitin-activating enzyme (E1). Although the specific cellular functions of UBE2Z remain poorly characterized, it has been implicated in proapoptotic pathways. The protein exists in multiple splice variants, including a full-length isoform of 354 amino acids and a shorter isoform (isoform 2) of 181 amino acids. LifeSensors currently offers the 181-amino acid isoform.

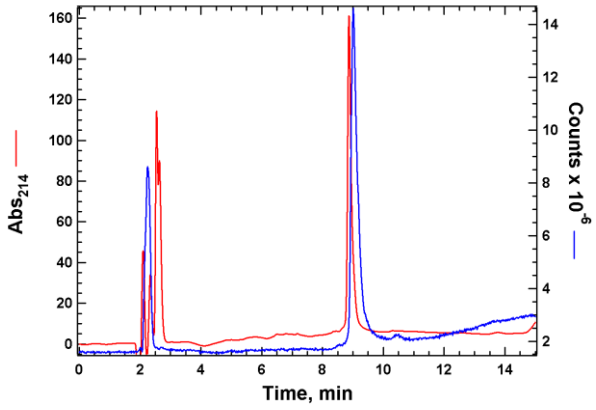
Alternate Names Uba6-Specific E2 Conjugating Enzyme 1, Ubiquitin-Conjugating Enzyme E2 Z, Ubiquitin Carrier Protein Z, FLJ13855, HOYS7, Use1

Application(s) Ubiquitin ligation reactions

Product Specifications

Tag	None
Purity	≥ 95% by RP-HPLC
Molecular Weight	28,075.4 Da by MS (calculated 28,075.1)
Quantity	20 µl or 75 µl of a 40 µM solution (0.8 and 3 nmoles, respectively)
Species	Human, recombinant; Accession No. Q9H832
Expression System	*E. coli*
Physical State	Liquid.
Buffer	25 mM Tris, pH 7.4; 150 mM NaCl; 10 mM DTT; 10% glycerol
Solubility	> 3 mg/ml
Stability & Storage	1 year at -80° C. Avoid repeated freeze/thaw cycles

Product QC



RP-HPLC

References

1. Cheng, Q., et al., (2025). The emerging role and mechanism of E2/E3 hybrid enzyme UBE2O in human diseases. Biomedicines, 13(5), 1082.
2. Lee, D., et al., (2024). UBA6 inhibition accelerates lysosomal TRPML1 depletion and exosomal secretion in lung cancer cells. International Journal of Molecular Sciences, 25(5), 2843.
3. Jin, J., et al., (2007). Dual E1 activation systems for ubiquitin differentially regulate E2 enzyme charging. Nature, 447(7147), 1135–1138.
4. Park, K. M., et al., (2007). Identification of novel regulators of apoptosis using a high-throughput cell-based screen. Molecular Cells, 23(2), 170–174.