

Yeast recombinant protein Ubc13 (UBE2N)
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Catalog # PBV10665r**Specification**

Yeast recombinant protein Ubc13 (UBE2N) - Product info

Primary Accession [P52490](#)
Calculated MW **18.462 kDa with His Tag. KDa**

Yeast recombinant protein Ubc13 (UBE2N) - Additional Info

Gene ID **851666**
Gene Symbol **UBC13**
Other Names
Ubiquitin-conjugating enzyme E2 N, Bendless-like ubiquitin-conjugating enzyme, Ubiquitin carrier protein N, Ubiquitin-protein ligase N, BLU, MGC8489, UbcH-ben, MGC131857.

Gene Source **Yeast**
Source **Saccharomyces cerevisiae**
Assay&Purity **SDS-PAGE; ≥95%**
Assay2&Purity2 **N/A;**
Recombinant **Yes**
Format
Liquid

Storage

-80°C; 75 µL of a 40 µM solution (3 nmoles) in 50 mM HEPES, pH 7.5, 150 mM NaCl, 10% glycerol.

Yeast recombinant protein Ubc13 (UBE2N) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Yeast recombinant protein Ubc13 (UBE2N) - Images**Yeast recombinant protein Ubc13 (UBE2N) - Background**

Ubc13 is an E2 (ubiquitin conjugating enzyme) that is involved in the conjugation of ubiquitin to target substrates along with E1 and E3 enzymes. Ubc13 acts with the UEV protein Mms2 forming a heterodimeric complex that assembles K63-linked polyubiquitin chains utilized in nondegradative ubiquitin signaling pathways (DNA repair, signal transduction). The Ubc13/Mms2 complex is unique

in that it has the ability to form free K63-linked polyubiquitin chains in solution in the absence of an E3. UBE2N mediates the transcription of some target genes and is believed to have a role in cell cycle progression; cellular differentiation and DNA repair mechanisms which ensure cell survival after DNA damage.

Yeast recombinant protein Ubc13 (UBE2N) - References

Matuschewski K.,et al.J. Biol. Chem. 271:2789-2794(1996).
Jacq C.,et al.Nature 387:75-78(1997).
Engel S.R.,et al.G3 (Bethesda) 4:389-398(2014).
Ghaemmaghami S.,et al.Nature 425:737-741(2003).
Starita L.M.,et al.Proteomics 12:236-240(2012).