

Lot # XXXXX

MATERIAL DATA SHEET

His6-UBE4B, human recombinant
Cat. # E3-270

Ubiquitin conjugation factor E4 B (UBE4B, also known as Ubiquitin fusion degradation protein 2) is a recently identified E3 and E4 ubiquitin ligase that physically interacts with p53 and Mdm2 to promote p53 polyubiquitination and degradation. Recent work in mouse models suggests that p53 loss in accelerated medulloblastomas is driven by UBE4B. Overexpression of UBE4B correlated with decreased expression of p53 in xenotransplant tumor models, and overexpression of UBE4B is often observed in human brain tumors. This protein seems to be involved in multiple pathways that are all associated with neuronal survival and degradation.

Product Information

Quantity:	100 µg
Stock:	X mg/ml (X µM) in 50 mM HEPES pH 7.5, 200 mM NaCl, 20% (v/v) Glycerol, 1 mM TCEP, 10 µM ZnCl ₂
MW:	147 kDa
Purity:	> 90% by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie Blue Stain

Use & Storage

Use:	Typical enzyme concentration for <i>in vitro</i> conjugation reactions ranges from 0.01-0.5 µM depending on conditions and substrate.
Storage:	Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References:	Gillingwater T.H., <i>et al</i> (2002) <u>J. Physiol.</u> 543 : 739 Wu H., <i>et al</i> (2011) <u>Nat. Med.</u> 3 : 347 Wu H. & Leng R.P. (2011) <u>Cell Cycle.</u> 10 : 1912 Zeinab R.A., <i>et al</i> (2012) <u>Int. J. Mol. Sci.</u> 12 : 16865
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Rev: 1/08/2018

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