

Lot # XXXX

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MATERIAL DATA SHEET

FUBI/(MNSF β), *human recombinant* Cat. # UL-930

The ubiquitin-like protein FUBI/ MNSF β (Monoclonal Nonspecific Suppressor Factor Beta) is encoded by the FAU gene, and is translated as a pro-form consisting of FUBI fused to the ribosomal S30 protein. S30 is cleaved in a post-translational reaction, releasing the mature 74 amino acid FUBI/MNSF β protein. FUBI has a C-terminal gly-gly motif common to many ubiquitin-like proteins.

FUBI/ MNSF β conjugation to Bcl-G has been shown to regulate the ERK1/2-MAPK cascade in macrophage cell lines, and may be implicated in TLR4-mediated signal transduction. Conjugation to endophilin II regulates dectin-1-mediated phagocytosis and inflammatory responses, and may be implicated in TLR2 signaling pathway.

Product Information

Quantity:	250 μ g
Stock:	X mg/ml (X μ M) in 50 mM Hepes pH 8.0, 100 mM NaCl, 1 mM DTT
MW:	7.8 kDa
Purity:	> 95% by SDS-PAGE

Storage

Storage: Store at -80°C. Avoid multiple freeze/thaw cycles.

Literature

References: Rossman, T.G. *et al.* (2003) *Oncogene* **22**: 1817-1821
Nakamura, M. & Omura, S. (2008) *Biosci. Biotech. Biochem.* **72**: 1915-1920
Nakamura, M. & Yamaguchi, S. (2006) *J. Biol. Chem.* **281**: 16861-16969
Nakamura, M. & Watanabe, N. (2010) *Biochem. Biophys. Res. Comm.* **15**: 275-61
Nakamura, M. *et al.* (2012) *Mol. Cell Biochem.* **364**:39-43

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840 Memorial Drive, Cambridge, MA 02139 Phone: 617-576-2210 FAX: 617-492-3565

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