

MATERIAL DATA SHEET

Recombinant Human FUBI/MNSF β

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
MW:	7.8 kDa
Source:	<i>E. coli</i> -derived Accession # P35544
Stock:	X mg/ml (X μ M) in 50 mM HEPES pH 8.0, 100 mM NaCl, 1 mM DTT
Purity:	>95%, by SDS-PAGE under reducing conditions and visualized by Colloidal Coomassie® Blue stain.

Use & Storage

Use:	Bioassay data are not available.
Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 12 months from date of receipt, -20 to -70 °C as supplied.• 3 months, -20 to -70 °C under sterile conditions after opening.

Literature

References:

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

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