

Lot # XXXXX

BostonBiochem

MATERIAL DATA SHEET

Ufm1 Rhodamine, *human recombinant* Cat. # UL-522

Ufm1 modified with rhodamine red via primary amine coupling, resulting in the modification of lysine residues as well as the N-terminus. This labeled Ufm1 allows for direct detection spectrophotometrically with higher efficiency and sensitivity than with antibodies. This protein contains an N-terminal His₆ tag.

Product Information

Quantity:	50 µg
Stock:	X mg/ml (XµM) in 50mM Hepes pH 7.5, 100mM NaCl. Actual concentration varies with lot number.
MW:	12.1 kDa
Purity:	> 95% by PAGE

Use & Storage

Use:	Rhodamine-Ufm1 gives a strong signal in the range of 0.1-1 µM, depending on exact experimental conditions. Optimal fluorescence at pH 8.0 is monitored using Ex ₅₇₀ nm and Em ₅₉₀ nm wavelengths respectively.
Storage:	Store at -80°C. Avoid multiple freeze/ thaw cycles.

Literature

References:	Kang, S.H. <i>et al.</i> (2006) <i>J. Biol. Chem.</i> 282 : 5256-5262 Komatsu, M., <i>et al.</i> (2004) <i>Embo J.</i> 23 : 1977-1986 Sasakawa, H., <i>et al.</i> (2006) <i>Biochem. Biophys. Res. Commun.</i> 343 : 21-26
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