

UFM1 Human

Description: UFM1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 103 amino acids (1-83 a.a) and having a molecular mass of 11.1kDa. The UFM1 is purified by proprietary chromatographic techniques.

Catalog #: PRPS-132

For research use only.

Synonyms: Ubiquitin-fold modifier 1, UFM1, C13orf20, BM-002, bA131P10.1.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MSKVSFKITL TSDPRLPYKV
LSVPESTPFT AVLKFAAEFF KVPAA TSAII TNDGIGINPA QTAGNVFLKH GSELRIIPRD RVG.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

The UFM1 solution (1 mg/ml) 20mM Tris buffer (pH 8.0) and 10% glycerol.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

UFM1 is a ubiquitin-like protein which is conjugated to target proteins by E1-like activating enzyme UBA5 and E2-like conjugating enzyme UFC1 in a manner equivalent to ubiquitylation. UFM1 localizes principally to the nucleus, but is also present in diffuse amounts in the cytoplasm. UFM1 is expressed in a variety of tissues, including kidney, brain, heart, liver and lung.

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