
Product Data Sheet

Product Name: MEMO1 Human

Cat. No.: GP23910

Batch No.: 1

Product Data

Purity >98%

Source Escherichia Coli.

Physical Appearance solid

Shipping Condition Shipped with Ice Packs.

Synonyms Protein MEMO1; C21orf19-like protein; Hepatitis C virus NS5A-transactivated protein 7; HCV NS5A-transactivated protein 7; Mediator of ErbB2-driven cell motility 1; Mediator of cell motility 1; Memo-1; MEMO1; C2orf4; MEMO; NS5ATP7; CGI-27.

Amino Acid Sequence
 MGSSHHHHHH SSGLVPRGSH MGSMMNSNRV VCREASHAGS WYTASGPQLN
 AQLEGWLSQV QSTKRPARAI IAPHAGYTYC GSCAAHAYKQ VDPSITRRIF
 ILGPSHHVPL SRCALSSVDI YRTPYDLRI DQKIYGELWK TGMFERMSLQ
 TDEDEHSIEM HLPYAKAME SHKDEFTIIP VLVGALSESK EQEFGKLFK
 YLADPSNLFV VSSDFCHWGQ RFRYSYDES QGEIYRSIEH LDKMGMSIIE
 QLDPVSFSNY LKKYHNTICG RHPIGVLLNA ITELQKNGMN MSFSFLNYAQ
 SSQCRNWQDS SVSYAAGALT VH.

Formulation MEMO1 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer, pH8.0, 50% glycerol, 5mM DTT, 300mM NaCl and 2mM EDTA.

Introduction

Mediator of ErbB2-driven cell motility 1 (MEMO1) is a member of the UPF0103 family. MEMO1 regulates cell migration by transmitting extracellular chemotactic signals to the microtubule cytoskeleton. Furthermore, MEMO1 controls the localization of APC and CLASP2 to the cell membrane, using the regulation of GSK3B activity. MEMO1 is essential for breast carcinoma cell migration, suggesting a key role in tumorigenesis. MEMO1 is also a mediator of ERBB2 signaling.

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%

Caution: Product has not been fully validated for medical applications. For research use only.

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

MEMO1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 322 amino acids (1-297 a.a) and having a molecular mass of 36.4kDa. MEMO1 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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