

AR50443PU-N**Human MEMO1 (1-297, His-tag) - Purified****Alternate names:**

C21orf19-like protein, C2orf4, CGI-27, HCV NS5A-transactivated protein 7, Hepatitis C virus NS5A-transactivated protein 7, Mediator of ErbB2-driven cell motility 1, NS5ATP7

Quantity:

0.5 mg

Concentration:

0.5mg/ml (determined by Bradford assay)

Background:

MEMO1 (Mediator of ErbB2-driven cell motility 1), also known as C2orf4 or NS5ATP7, belongs to the UPF0103 family. MEMO1 control cell migration by relaying extracellular chemotactic signals to the microtubule cytoskeleton. It is required for breast carcinoma cell migration, suggesting an important role in tumorigenesis. Also, it controls the localization of APC and CLASP2 to the cell membrane, via the regulation of GSK3B activity.

Uniprot ID:

[Q9Y316](#)

NCBI:

[NP_057039](#)

GeneID:

[51072](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >95% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer, pH8.0, 50% glycerol, 5mM DTT, 300mM NaCl, 2mM EDTA

Description:

Recombinant human MEMO1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHHH SSGLVPRGSH MGSMMNSRV VCREASHAGS WYTASGPQLN AQLEGWLSQV
QSTKRPARAI IAPHAGYTYC GSCAAHAYKQ VDPSITRRIF ILGPSHHVPL SRCALSSVDI
YRTPLYDLRI DQKIYGELWK TGMFERMSLQ TDEDEHSIEM HLPYTAKAME SHKDEFTIIP
VLVGALSESK EQEFGKLFK YLADPSNLFV VSSDFCHWGQ RFRYSYDES QGEIYRSIEH
LDKMGMSIIE QLDPVSFSNY LKKYHNTICG RHPIGVLLNA ITELQKNGMN MSFSFLNYAQ
SSQCRNWQDS SVSYAAGALT VH

Molecular weight: 36.4 kDa (322aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

Marone R., et al. (2004) Nat. Cell Biol. 6:515-522 Zaoui K., et al. (2010) Proc. Natl. Acad. Sci. U.S.A. 107:18517-18522

Pictures:

