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Recombinant human MEMO1 protein

Catalog Number: ATGP1619

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-297aa

UniProt No.
Q9Y316

NCBI Accession No.
NP_057039

Alternative Names
Protein MEMO1, C2orf4, CGI-27, MEMO, NS5ATP7

PRODUCT SPECIFICATION

Molecular Weight
36.4 kDa (322aa) confirmed by MALDI-TOF

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 5mM DTT, 300mM NaCl, 2mM EDTA

Purity
> 95% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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Amino acid Sequence

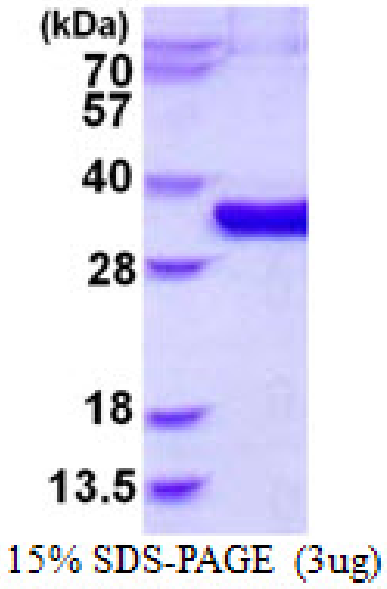
MGSSHHHHHH SSGLVPRGSH MGSHMMSNRV VCREASHAGS WYTASGPQLN AQLEGWLSQV QSTKRPARAI IAPHAGYTYC GSCAAHAYKQ VDPSITRRIF ILGPSHHVPL SRCALSSVDI YRTPLYDLRI DQKIYGELWK TGMFERMSLQ TDEDEHSIEM HLPYTAKAME SHKDEFTIIP VLVGALSESK EQEFGKLFSK YLADPSNLFV VSSDFCHWGQ RFRYSYYDES QGEIYRSIEH LDKMGMSIIE QLDPVSFSNY LKKYHNTICG RHPIGVLLNA ITELQKNGMN MSFSFLNYAQ SSQCRNWQDS SVSYAAGALT VH

General References

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.