

Recombinant Full Length Human MCPH1 Protein, GST-tagged

Cat. No. MCPH1-6087HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MCPH1 full-length ORF (AAH30702.2, 1 a.a. - 610 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	610 amino acids
Description	This gene encodes a DNA damage response protein. The encoded protein may play a role in G2/M checkpoint arrest via maintenance of inhibitory phosphorylation of cyclin-dependent kinase 1. Mutations in this gene have been associated with primary autosomal recessive microcephaly 1 and premature chromosome condensation syndrome. Alternatively spliced transcript variants have been described. [provided by RefSeq, Feb 2010]
Molecular Mass	94.2 kDa
AA Sequence	MAAPILKDVVAYVEVWSSNGTENYSKTFTTQLVDMGAKVSKTFNKQVTHVIFKDG YQSTWDKAQKRGVKLVSVLWVEKCRTAGAHIDESLFPAANMNEHLSSLIKKRRCMQ PKDFNFKTPENDKRFQKKFEKMAKELQRQKTNLDDDDVPILLFESNGSLIYTPTEINSS HHSAMEKRLQEMKEKRENLSPTSSQMIQQSHDNPSNSLCEAPLNISRDTLCSDEYF AGGLHSSFDDLCGNSGCGNQERKLEGSINDIKSDVCISLVLKANNIHSSPSFTHLDK SSPQKFLSNLSKEEINLQRNIAGKVVTTPHQKQAAGMSQETFEEKYRLSPTLSSTKGH LLIHSRPRSSSVKRVVSHGSHSPPEKCKRKRSTRRSIMPRLQLCRSEGRLQHVA

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GPALALSCGESSYDDYFSPDNLKERYSENLPPESQLPSSPAQLSCRSLSKKERTSI
 FEMSDFSCVGKKTRTVDTNFTAKTISSPRKTGNNGEGRATSSCVTSAPEEALRCCRQ
 AGKEDACPEGNGFSYTIEDPALPKGHHDDLTPLEGSLEEMKEAVGLKSTQNKGTTS
 KISNSSEGEAQSEHEPCFIVDCNMETSTEEKENLPGGYSGSM

Applications
 Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [MCPH1 microcephalin 1 \[Homo sapiens \]](#)

Official Symbol [MCPH1](#)

Synonyms MCPH1; microcephalin 1; microcephaly, primary autosomal recessive 1;
 microcephalin; BRCT repeat inhibitor of TERT expression 1; BRIT1; FLJ12847;
 BRCT-repeat inhibitor of TERT expression 1; MCT;

Gene ID [79648](#)

mRNA Refseq [NM_001172574](#)

Protein Refseq [NP_001166045](#)

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MIM	607117
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UniProt ID	Q8NEM0
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