Recombinant Human MCPH1 Protein, GST-tagged

Cat. No. MCPH1-4512H **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	Wheat Germ
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	MAAPILKDVVAYVEVWSSNGTENYSKTFTTQLVDMGAKVSKTFNKQVTHVIFKDGY QSTWDKAQKRGVKLVSVLWVEKCRTAGAHIDESLFPAANMNEHLSSLIKKKRKCMQ PKDFNFKTPENDKRFQKKFEKMAKELQRQKTNLDDDVPILLFESNGSLIYTPTIEINSS HHSAMEKRLQEMKEKRENLSPTSSQMIQQSHDNPSNSLCEAPLNISRDTLCSDEYF AGGLHSSFDDLCGNSGCGNQERKLEGSINDIKSDVCISSLVLKANNIHSSPSFTHLDK SSPQKFLSNLSKEEINLQRNIAGKVVTPHQKQAAGMSQETFEEKYRLSPTLSSTKGH LLIHSRPRSSSVKRKRVSHGSHSPPKEKCKRKRSTRRSIMPRLQLCRSEGRLQHVA GPALEALSCGESSYDDYFSPDNLKERYSENLPPESQLPSSPAQLSCRSLSKKERTSI

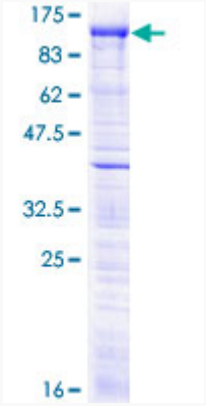
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	FEMSDFSCVGKKTRTVDITNFTAKTISSPRKTGNGEGRATSSCVTSAPEEALRCCRQ AGKEDACPEGNGFSYTIEDPALPKGHDDDLTPLEGSLEEMKEAVGLKSTQNKGTTS KISNSSEGEAQSEHEPCFIVDCNMETSTEEKENLPGGYSGSM
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody 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
UniProt ID	Q8NEM0
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue

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