UTF1 Blocking Peptide (Center) Blocking Peptide

PRODUCT OVERVIEW

Product Name	UTF1 (UTF1 (HGNC:12634)), Blocking Peptide
Full Product Name	UTF1 Blocking Peptide (Center)
Product Gene Name	UTF1 (HGNC:12634) blocking peptide
Product Synonym Names	Undifferentiated embryonic cell transcription factor 1; UTF1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence is selected from aa 164-179 of HUMAN UTF1 (HGNC:12634)
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	UTF1 peptide (MBS9229670) is used for blocking the activity of UTF1 antibody (MBS9204729)
Molecular Weight	36,439 Da
OMIM	604130
Cellular Location	Nucleus.
Related Product Information for UTF1 (HGNC:12634) blocking peptide	MBS9229670 is a blocking peptide targeting UTF1 (HGNC:12634). Also known as UTF1 Blocking Peptide (Center). Acts as a transcriptional coactivator of ATF2.
Other Notes	Small volumes of UTF1 (HGNC:12634) blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for UTF1 (HGNC:12634). It may not necessarily be applicable to this product.

NCBI GI #	74756257
NCBI GeneID	8433
NCBI Accession #	Q5T230.1
UniProt Primary Accession #	Q5T230
UniProt Secondary Accession #	O75833; Q6J1H3
UniProt Related Accession #	Q5T230
NCBI Official Full Name	Undifferentiated embryonic cell transcription factor 1
NCBI Official Synonym Full Names	undifferentiated embryonic cell transcription factor 1
NCBI Official Symbol	UTF1
UniProt Protein Name	Undifferentiated embryonic cell transcription factor 1
UniProt Gene Name	UTF1
UniProt Entry Name	UTF1_HUMAN
NCBI Protein Information	undifferentiated embryonic cell transcription factor 1

NCBI Summary for UTF1 (HGNC:12634)	The protein encoded by this gene is a leucine zipper-containing transcriptional coactivator that may link the upstream activator ATF2 with the basal transcription complex. The encoded protein is closely associated with chromatin and is required for the proper differentiation of embryonic carcinoma and embryonic stem cells. Found nearly exclusively in pluripotent cells, this protein can also serve as a transcriptional repressor. [provided by RefSeq, Nov 2015]
UniProt Comments for UTF1 (HGNC:12634)	UTF1: Acts as a transcriptional coactivator of ATF2. Binds to the N-terminal region of ATF2. Associates with the TFIID complex through interaction with TBP. Chromosomal Location of Human Ortholog: 10q26 Cellular Component: nucleus Molecular Function: protein binding; transcription coactivator activity Biological Process: male gonad development; positive regulation of transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter
Research Articles on UTF1 (HGNC:12634)	**1.** With a sensitivity of 100% and a specificity of 97% in the detection of central nervous system (CNS) germinomas, UTF1 serves as a new reliable alternative in the diagnostic setting of CNS germ cell tumours.
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