

Recombinant Full Length Human DNMT3A Protein, GST-tagged

Cat. No. DNMT3A-4049HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DNMT3A full-length ORF (NP_072046.2, 1 a.a. - 912 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	912 amino acids
Description	CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a DNA methyltransferase that is thought to function in de novo methylation, rather than maintenance methylation. The protein localizes to the cytoplasm and nucleus and its expression is developmentally regulated. [provided by RefSeq, Mar 2016]
Molecular Mass	128.3 kDa
AA Sequence	MPAMPSSSGPGDTSSSAAEREEDRKDGEEQEEPRGKEERQEPSTTARKVGRPGRK RKHPPVESGDTPKDPAVISKSPSMAQDSGASELLPNGDLEKRSEPQPEEGSPAGG QKGGAPAEGEGAAETLPEASRAVENGCTPKEGRGAPAEAGKEQKETNIESMKME GSRGRLRGGLGWESSLRQRPMPRLTFQAGDPYYISKRKRDEWLARWKREAEKKA KVIAGMNAVEENQGPGESQKVVEEASPPAVQQPTDPASPTVATTPEPVGSDAGDKN

 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

ATKAGDDEPEYEDGRGFGIGELVWGKLRGFSWWPGRIVSWWMTGRSRAAEGTR
WVMWFGDGKFSVVCVEKLMPLSSFCSAFHQATYNKQPMYRKAIYEV LQVASSRAG
KLFPVCHDSDESDTAKAVEVQNKPMIEWALGGFQPSGPKGLEPPEEEKNPYKEVYT
DMWVEPEAAAYAPPPPAKKPRKSTAEKPKVKEIIDERTRERLVYEV RQKCRNIEDICI
SCGSLNVTLEHPLFVGGM CQNCKNCFLECAYQYDDDGYQSYCTICCGGREVL MCG
NNNCCRCFCVECDLLVGP GAAQAAIKEDPWNCYMC GHKGTYGLLRREDWPSR
LQMFFANNHDQEFDP PKVYPPVPAEKRKPIRVLSLFDGIATG LLVLKDLGIQVDRYIA
SEVCEDSITVGMVRHQ GKIMYVGDVRSVTQKHIQEWGPF DLVIGGSPCNDLSIVNPA
RKGLYEGTGRLFFEFY RLLHDARPKEGDDRPFFWLFEN VVAMGVSDKRDISR FLES
NPVMIDAKEVSAAHRARYFWGNLPGMNRPLASTVNDKLELQECLEHGRIAKFSKVR
TITTRSNSIKQGKDQHFPVFMNEKEDILWCTEMERVFGFPVHYTDVSNMSRLARQR
LLGRSWSVPVIRHLFAPLKEYFACV

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

DNMT3A DNA (cytosine-5-)-methyltransferase 3 alpha [Homo sapiens]

Official Symbol

DNMT3A

Synonyms

DNMT3A; DNA (cytosine-5-)-methyltransferase 3 alpha; DNA (cytosine-5)-

 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

methyltransferase 3A; DNA MTase HsaIIIA; DNA cytosine methyltransferase 3A2;
DNMT3A2; M.HsaIIIA;

Gene ID 1788

mRNA Refseq NM_022552

Protein Refseq NP_072046

MIM 602769

UniProt ID Q9Y6K1

 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