

# Product Information

## MemDX™ Membrane Protein Human CDKAL1 (CDK5 regulatory subunit associated protein

### 1 like 1) Full Length

Cat. No.: **MPC4206K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CDKAL1 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

CDKAL1

#### Protein Length

Full length

#### Protein Class

Transferase

#### TMD

1

#### Sequence

MPSASCDTLLDDIEDIVSQEDSKPQDRHFVRKDVVPKVRRRNTQKYLQEE  
ENSPPSDSTIPGIQKIWIRTWGCSHNSDGEYMAGQLAAYGYKITENASD  
ADLWLLNSCTVKNPAEDHFRNSIKKAQEENKKIVLAGCVPQAQPRQDYLK  
GLSIIGVQQIDRVVEVVEETIKGHSVRLLGQKKDNGRRLGGARLDLPKIR  
KNPLIEIISINTGCLNACTYCKTKHARGNLASYPIDELVDRAKQSFQEGV  
CEIWLTS EDTGAYGRDIGTNLPTLLWKLVEVIPEGAMLRLGMTNPPYILE  
HLEEMAKILNHPRVYAFLHIPVQSASDSVLMEMKREYCVADFKRVVDFLK  
EKVPGITIATDIICGFPGETDQDFQETVKLVEEYKFPSLFINQFYPRPGT  
PAAKMEQVPAQVKKQRTKDL SRVFHSYSPYDHKIGERQQVLVTEESFDSK  
FYVAHNQFYEQVLVPKNPAFMGKMVEVDIYESGKHFMKGQPVSDAKVYTP  
SISKPLAKGEVSGLT KDFRNLGNQLSSGSHTSAASQCDSASSRMVLPMP  
RLHQDCALRMSVGLALLGLLFAFFVKVYN

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

CDKAL1

**Full Name**

CDK5 regulatory subunit associated protein 1 like 1

**Introduction**

The protein encoded by this gene is a member of the methylthiotransferase family. The function of this gene is not known. Genome-wide association studies have linked single nucleotide polymorphisms in an intron of this gene with susceptibility to type 2 diabetes.

**Alternative Names**

CDKAL1; threonylcarbamoyladenosine tRNA methylthiotransferase; tRNA-t(6)A37 methylthiotransferase; CDK5 regulatory subunit associated protein 1 like 1

**Gene ID**

[54901](#)

**UniProt ID**

[Q5VV42](#)