

Recombinant Human PRAME Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PRAME-1474H Lot. No. (See product label)

SPECIFICATION

Product Overview

PRAME MS Standard C13 and N15-labeled recombinant protein (NP_996838) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene encodes an antigen that is preferentially expressed in human melanomas and that is recognized by cytolytic T lymphocytes. It is not expressed in normal tissues, except testis. The encoded protein acts as a repressor of retinoic acid receptor, and likely confers a growth advantage to cancer cells via this function. Alternative splicing results in multiple transcript variants.

Molecular Mass

57.9 kDa

AA Sequence

MERRRLRGSIQSRYISMSVWTSRRLVELAGQSLKDEALIAIALELLPRELFPPLFM
 AAFDGRHSQTLKAMVQAWPFTCLPLGVLMKGQHLHLETFKAVLDGLDVLLAQEVRP
 RRWKLQVLDLRKNSHQDFWTVWSGNRASLYSFPEPEAAQPMTKKRKYDGLSTEAE
 QPFIPVEVLVDLFLKEGACDELFSYLIEKVKRKNVLRLLCCKKLIKIFAMPMQDIKMILK
 MVQLDSIEDLEVTCTWKLPTLAKFSPYLGQMINLRLLLLSHIHASSYISPEKEEQYIAQ
 FTSQFLSLQCLQALYVDSLFFLRGRLDQLLRHVMNPLETLSITNCRLSEGDVMHLSQ
 SPSVSQLSVLSLSGVMLTDVSPEPLQALLERASATLQDLVFDECGITDDQLLALLPSL
 SHCSQLTTLSFYGNSSISALQSLQLHLIGLSNLTHVLYPVPLESYEDIHGTLHLERLAY

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LHARLRELLCELGRPSMVWLSANPCPHCGDRTFYDPEPILCPCFMPNTRTRPLEQK
LISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PRAME preferentially expressed antigen in melanoma [Homo sapiens (human)]

Official Symbol PRAME

Synonyms PRAME; preferentially expressed antigen in melanoma; MAPE; melanoma antigen preferentially expressed in tumors; cancer/testis antigen 130; CT130; OIP-4; opa-interacting protein 4; Opa-interacting protein OIP4; preferentially expressed antigen of melanoma; OIP4;

Gene ID 23532

mRNA Refseq NM_206955

Protein Refseq NP_996838

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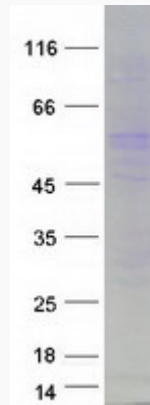
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MIM 606021

UniProt ID P78395

SDS-PAGE



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