

Recombinant Human CTAG2 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. CTAG2-146H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CTAG2 MS Standard C13 and N15-labeled recombinant protein (NP_758965) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes an autoimmunogenic tumor antigen that belongs to the ESO/LAGE family of cancer-testis antigens. This protein is expressed in a wide array of cancers including melanoma, breast cancer, bladder cancer and prostate cancer. This protein is also expressed in normal testis tissue. An alternative open reading frame product of this gene has been described in PMID:10399963. This alternate protein, termed CAMEL, is a tumor antigen that is recognized by melanoma-specific cytotoxic T-lymphocytes. Alternate splicing results in multiple transcript variants.
Molecular Mass	18.3 kDa
AA Sequence	MQAEGRGTTGGSTGDADGPGGPGIPDGPGGNAGGPGEAGATGGRGPRGAGAARA SGPRGGAPRGPHGGAASAQDGRCPGARRPDSRLLELHITMPFSSPMEAEVRRIL SRDAAPLPRPGAVLKDFTVSGNLLFIRLTAADHRQLQLSISSCLQQLSLLMWITQCFL PVFLAQAPSGQRRTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

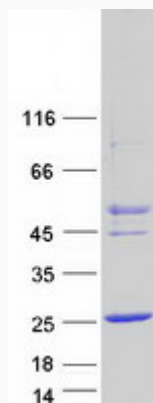
GENE INFORMATION

Gene Name	CTAG2 cancer/testis antigen 2 [Homo sapiens (human)]
Official Symbol	CTAG2
Synonyms	CTAG2; cancer/testis antigen 2; CAMEL; CT2; CT6.2; CT6.2a; CT6.2b; ESO2; LAGE-1; LAGE2B; cancer/testis antigen 2; CTL-recognized antigen on melanoma; LAGE-1a protein; autoimmunogenic cancer/testis antigen NY-ESO-2; cancer/testis antigen 6.2; cancer/testis antigen family 6, member 2a; cancer/testis antigen family 6, member 2b; I antigen family member 1
Gene ID	30848
mRNA Refseq	NM_172377
Protein Refseq	NP_758965
MIM	300396
UniProt ID	O75638

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SDS-PAGE

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