

Product datasheet for **TP311659M**

CTAG2 (NM_172377) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human cancer/testis antigen 2 (CTAG2), transcript variant 1, 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC211659 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MQAEGRGTGGSTGDADGPGGPGIPDGPGGNAGGPGGAGATGGGRGPRGAGAARASGPRGGAPRGPHGGAAS
AQDGRCPGARRPDSRLLHITMPFSSPMEALVRRILSRDAAPLPRPGAVLKDFTVSGNLLFIRLTAA
DHRQLQLSISSCLQLSLLMWITQCFLPVFLAQAPSGQRR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 18.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_758965](#)

Locus ID: 30848

UniProt ID: [O75638](#)

RefSeq Size: 773



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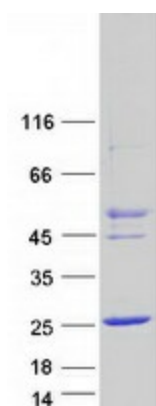
Cytogenetics: Xq28

RefSeq ORF: 540

Synonyms: CAMEL; CT2; CT6.2; CT6.2a; CT6.2b; ESO2; LAGE-1; LAGE2B

Summary: 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. [provided by RefSeq, Sep 2013]

Product images:



Coomassie blue staining of purified CTAG2 protein (Cat# [TP311659]). The protein was produced from HEK293T cells transfected with CTAG2 cDNA clone (Cat# [RC211659]) using MegaTran 2.0 (Cat# [TT210002]).