

## Product datasheet for PH311659

### CTAG2 (NM\_172377) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CTAG2 MS Standard C13 and N15-labeled recombinant protein (NP_758965)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC211659
Predicted MW:	18.3 kDa
Protein Sequence:	>RC211659 protein sequence Red=Cloning site Green=Tags(s)  MQAEGRGTGGSTGDADGPGGPGIPDGPGGNAGGPGGEAGATGGRGPRGAGAARASGPRGGAPRGPHGGAAS AQDGRCPGARRPDSRLLLELHITMPFSSPMEAEVRRILSRDAAPLPRPGAVLKDFTVSGNLLFIRLTAA DHRQLQLSISSCLQQLSLLMWITQCFLPVFLAQAPSGQRR  TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_758965</a>
RefSeq Size:	773
RefSeq ORF:	540
Synonyms:	CAMEL; CT2; CT6.2; CT6.2a; CT6.2b; ESO2; LAGE-1; LAGE2B
Locus ID:	30848
UniProt ID:	<a href="#">O75638</a>

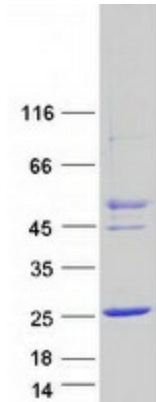


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**Cytogenetics:** Xq28

**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]).