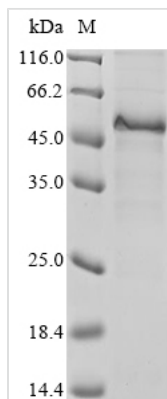




Recombinant Human Cancer/testis antigen 1 (CTAG1A)

Product Code	CSB-MP006125HU
Abbreviation	Recombinant Human CTAG1A protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	P78358
Storage Buffer	PBS, pH 7.4
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MQAEGRGTTGGSTGDADGPGGGPGIPDGPGGNAGGPGGEAGATGGRGPRGAG AARASGPGGGAPRGPHGGAASGLNGCCRCGARGPESRLLEFYLAMPFATPM EAELARRSLAQDAPPLPVPGVLLKEFTVSGNILTIRLTAADHRQLQLSISSCLQQ LSLLMWITQCFLPVFLAQPPSGQRR
Research Area	Others
Source	Mammalian cell
Target Names	CTAG1A
Protein Names	Recommended name: Cancer/testis antigen 1 Alternative name(s): Autoimmunogenic cancer/testis antigen NY-ESO-1 Cancer/testis antigen 6.1 Short name= CT6.1 L antigen family member 2 Short name= LAGE-2
Expression Region	1-180aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	C-terminal hFc1-Myc-tagged
Mol. Weight	48.1
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Just like other recombinant proteins, the production of this recombinant Human CTAG1A protein began with appropriate cDNA and PCR methods, and then the CTAG1A expression plasmids were built. Following sequence determination of the constructs, plasmids were transformed into Mammalian cell for the expression of the recombinant Human CTAG1A protein. C-terminal FC-Myc tag was used in the process. And we finally get the protein of interest with purity of 85%+.

CTAG1A (also called CTAG, CTAG1, ESO1, LAGE2, LAGE2A) is a gene encoding a protein called cancer/testis antigen 1 in human. The protein encoded by this gene is also known as autoimmunogenic cancer/testis antigen NY-ESO-1 (NY-ESO-1), cancer/testis antigen 6.1 (CT6.1) and L antigen family member 2 (LAGE-2). CTAG1A is an identical copy of the CTAG1B gene. The protein encoded by CTAG1A gene is one of the most immunogenic tumor antigens defined to date, because it induces spontaneous humoral and CD8+ T cell responses against NY-ESO-1 in 40%+ to 50%+ of patients with advanced NY-ESO-1-expressing tumors.

Shelf Life

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