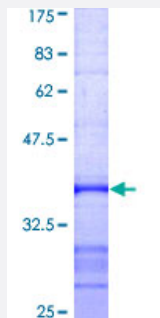


UBE3A (Human) Recombinant Protein (Q01)

Catalog # H00007337-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human UBE3A partial ORF (AAH09271, 51 a.a. - 150 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ETFQQLITYKVISNEFNSRNLVNDDDAVAASKCLKMVYYANVVGGEVDTNHNEEDDEEPIESSE LTLQELLGEERRNKKGPRVDPLETELGVKTLDCR
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (98); Rat (98)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — UBE3A

Entrez GeneID [7337](#)

GeneBank Accession# [BC009271](#)

Protein Accession# [AAH09271](#)

Gene Name UBE3A

Gene Alias ANCR, AS, E6-AP, EPVE6AP, FLJ26981, HPVE6A

Gene Description ubiquitin protein ligase E3A

Omim ID [105830](#) [601623](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes an E3 ubiquitin-protein ligase, part of the ubiquitin protein degradation system . This imprinted gene is maternally expressed in brain and biallelically expressed in other tissues. Maternally inherited deletion of this gene causes Angelman Syndrome, characterized by severe motor and intellectual retardation, ataxia, hypotonia, epilepsy, absence of speech, and characteristic facies. The protein also interacts with the E6 protein of human papillomavirus types 16 and 18, resulting in ubiquitination and proteolysis of tumor protein p53. Alternative splicing of this gene results in three transcript variants encoding three isoforms with different N-termini. Additional transcript variants have been described, but their full length nature has not been determined. [provided by RefSeq]

Other Designations CTCL tumor antigen se37-2|human papilloma virus E6-associated protein|oncogenic protein-associated protein E6-AP

Pathway

- [Ubiquitin mediated proteolysis](#)

Disease

- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [NARP](#)
- [Tuberculosis](#)