

Recombinant Human UBE4A Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. UBE4A-6028H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	UBE4A MS Standard C13 and N15-labeled recombinant protein (NP_004779) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the U-box ubiquitin ligase family. The encoded protein is involved in multiubiquitin chain assembly and plays a critical role in chromosome condensation and separation through the polyubiquitination of securin. Autoantibodies against the encoded protein may be markers for scleroderma and Crohn's disease. A pseudogene of this gene is located on the long arm of chromosome 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	123.3 kDa
AA Sequence	MTDQENNNNNISSNPFAALFGSLADAKQFAAIQKEQLKQQSDELPASPDDSDNSVSE SLDEFDYSVAEISRSFRSQQEICEQLNINHMIQRIFLITLDNSDPSLKSGNGIPSRVY LEEMAVELEDQDWLMSNVEQALFARLLLQDPGNHLINMTSSTTLNLSADRDAGER HIFCYLYSCFQRAKEEITKVPENLLPFAVQCRNLTVSNTRTVLLTPEIYVDQNIHEQLV DLMLEAIQGAREYMNKIYFEDVTEFLEEVI EALILDEEVRTFPEVMIPVFDILLGRIKDL ELCQILLYAYLDILLYFTRQKDMAKVFVEYIQPKDPTNGQMYQKTLLGVILSISCLLKTP

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GVVENHGYFLNPSRSSPQEIKVQEANIHQFMAQFHEKIYQMLKNLLQLSPETKHCILS
 WLGNCCLHANAGRRTKIWANQMPEIFFQMYASDAFFLNLGAALLKLCQPFCKPRSSRL
 LTFNPTYCALKELNDEERKIKNVHMRGLDKETCLIPAVQEPKFPQNYNLVTENLALTE
 YTLYLGFHRLHDQMVKINQNLHRLQVAWRDAQSSSPAADNLREQFERLMTIYLS
 KTAMTEPQMLQNCLNLQVSMALLVQLAIGNEGSQPIELTFPLPDGYSSLAYVPEFF
 ADNLGDFLIFLRRFADDILETSADSLEHVLHFITIFTGSIERMKNPHLRKLAEVLEAVM
 PHLDQTPNPLVSSVFHRKRVFCNFQYAPQLAEALIKVFVDIEFTGDPHQFEQKFNYR
 RPMYPILRYMWGTDITYRESIKDLADYASKNLEAMNPPLFLRFLNLLMNDALFLIDEAI
 QYLSKIKIQQIEKDRGEWDSLTPPEARREKEAGLQMFQGLARFHNIMSNETIGTLAFLT
 SEIKSLFVHPFLAERIISMLNYFLQHLVGPKMALKVKDFSEFDFKPPQLVSDICTIYL
 NLGDEENFCATVPKDGSRYSPTLFAQTVRVLKKINKPGNMIMAFSNAERIKSLADL
 QQQEEETYADACDEFDPIMSTLMCDPVVLPSSRVTVDRSTIARHLLSDQTDPFNRS
 PLTMDQIRPNTELKEKIQRWLAERKQQKEQLETRTRPLEQKLISEEDLAANDILDYKD
 DDDKV

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

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 UBE4A ubiquitination factor E4A [Homo sapiens (human)]

Official Symbol UBE4A

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Synonyms	UBE4A; ubiquitination factor E4A; ubiquitination factor E4A (homologous to yeast UFD2), ubiquitination factor E4A (UFD2 homolog, yeast); ubiquitin conjugation factor E4 A; E4; KIAA0126; UBOX2; UFD2; ubiquitination factor E4A (UFD2 homolog, yeast); MGC133315;
Gene ID	9354
mRNA Refseq	NM_004788
Protein Refseq	NP_004779
MIM	603753
UniProt ID	Q14139
SDS-PAGE	