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Product datasheet for SC108854

UBA5 (NM_024818) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBA5 (NM_024818) Human Untagged Clone
Tag:	Tag Free
Symbol:	UBA5
Synonyms:	DEE44; EIEE44; SCAR24; THIFP1; UBE1DC1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF within SC108854 sequence for NM_024818 edited (data generated by NextGen Sequencing)

ATGGCGGAGTCTGTGGAGCGCCTGCAGCAGCGGGTCCAGGAGCTGGAGCGGGAACTTGCC
CAGGAGAGGAGTCTGCAGGTCCCGAGGAGCGGCGACGGAGGGGGCGGCCGGGTCCGCATC
GAGAAGATGAGCTCAGAGGTGGTGGATTCGAATCCCTACAGCCGCTTGATGGCATTGAAA
CGAATGGGAATTGTAAGCGACTATGAGAAAATCCGTACCTTTGCCGTAGCAATAGTAGGT
GTTGGTGGAGTAGGTAGTGTGACTGCTGAAATGCTGACAAGATGTGGCATTGGTAAGTTG
CTACTCTTTGATTATGACAAGGTGGAACTAGCCAATATGAATAGACTTTTCTTCCAACCT
CATCAAGCAGGATTAAGTAAAGTTCAAGCAGCAGAACATACTCTGAGGAACATTAATCCT
GATGTTCTTTTTGAAGTACACAACTATAATATAACCACAGTGGAAAACTTTCAACATTTC
ATGGATAGAATAAGTAATGGTGGGTTAGAAGAAGGAAAACCTGTTGATCTAGTTCTTAGC
TGTGTGGACAATTTTGAAGCTCGAATGACAATAAATACAGCTTGTAATGAACTTGGACAA
ACATGGATGGAATCTGGGGTCAGTGAAAATGCAGTTTCAGGGCATATACAGCTTATAATT
CCTGGAGAATCTGCTTGTTTTGCGTGTGCTCCACCACTTGTAGTTGCTGCAAATATTGAT
GAAAAGACTCTGAAACGAGAAGGTGTTTGTGCAGCCAGTCTTCCTACCACTATGGGTGTG
GTTGCTGGGATCTTAGTACAAAACGTGTTAAAGTTTCTGTTAAATTTTGGTACTGTTAGT
TTTTACCTTGGATACAATGCAATGCAGGATTTTTTTCCTACTATGTCCATGAAGCCAAAT
CCTCAGTGTGATGACAGAAATTGCAGGAAGCAGCAGGAGGAATATAAGAAAAAGGTAGCA
GCACTGCCTAAACAAGAGGTTATACAAGAAGAGGAAGAGATAATCCATGAAGATAATGAA
TGGGGTATTGAGCTGGTATCTGAGGTTTCAGAAGAGGAACTGAAAAATTTTTCAGGTCCA
GTTCCAGACTTACCTGAAGGAATTACAGTGGCATACACAATTCCAAAAAAGCAAGAAGAT
TCTGTCACTGAGTTAACAGTGGAAGATTCTGGTGAAAGCTTGGAAGACCTCATGGCCAAA
ATGAAGAATATGTAG

Clone variation with respect to NM_024818.3

View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_024818 unedited
GGGCACCAATTGTAAACGACTCATATAGGCGGCCGCGCAATCGGCACGAGGCAAATTTAA
TGCAACAGCAGGCGGAAGACCTGCAGGGTCCCGTTCAGAAAAGGGCCGTCAGACTGTCGA
GCCTAAGAATAAAAAGACCCTGTTTCTCTTAGATACCCGGTTAGCAAGGCAACATCGCTG
GCCTCCTGCCCTGGACACTTATCACCCCGGTGCTGCTGCGGCCGGGTTTAGCCGGCCCAG
CGAGGAAGGAAGCCGAAAGAGCCAGGTTTTTGATGAGGGGGAGCGATGTCTGCGACGCAC
CGGAAGCGGCTCCGAGGAAGGCCTGTGGGAGTCTCGGAGACGTGTCTGTCTGTGAGGCGC
TGGGTGCACGTCCCCAGGGCTCTGGGCTAGGAAGGCAGCGGCGAGGTGCCTCCCCACGTA
CCCCTCGCGGGCCCAGCCGAGCAACGTGGGGCGAAGGCGGCGGCGAAGGCCCGGGCTGGG
AGCGTTGGCGGCCGGAGTCCCAGCCATGGCGGAGTCTGTGGAGCGCCTGCAGCAGCGGGT
CCAGGAGCTGGAGCGGGAACTTGCCCAGGAGAGGAGTCTGCAGGTCCCGAGGAGCGGCGA
CGGAGGGGGCGGCCGGGTCCGCATCGAGAAGATGAGCTCAGAGGTGGTGGATTCGAATCC
CTACAGCCGCTTGATGGCATTGAAACGAATGGGAATTGTAAGCGACTATGAGAAAATCCG
TACCTTTGCCGTAGCAATAGTAGGTGTTGGTGCAGTAGGTAGTGTGACTGCTGAAATGCT
GACAAGATGTGGCATTGGTCAGTTGCTACTCTTTGAATATGACANGGTGGAACTAGCCCA
TATGCATAGACTTTNCTTCCCACCTCCATCAAGCGGAATTAGGTAAAGTTCCAGCAGCAG
AACT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_024818 unedited
GCCGCATCTAGATCGGTTTTTTTTTTTTTTTTTCTTTCTGAAATAGCTGCTTTTTATTTG
CCTTTGTCTCACTTTGAATTATATGATCCACAGGTTACAGACTTTTCCAATAACTACATT
TCAACTTGTACTTCATCAGCAAACATTTGAGAGGATGTTATTTCATAGGTTAACTATTTT
TGAATTCATTGTTGATCAAGTTAGTAGTAGTGGGCAATTTTCTTATAGAAAGCAATTCCA
AACATAATGAGCAGATGCTTGCCAGCTCTAATCAATAAGCTGTATGCCTTGTCCTTCTCC
CTGTATCTGAGGATCATATACTACTTTATTGTCCATGTCCTCATGCAACAGACACAAGGG
ATTACTGGAAAGAAAAAGATTACAGGATCAGATTTGTCCTTCCCCCACTCCAAAAGGCCA
AAACATTTCAACAGCTATGTTTTCAAGTAAGATTTATATCCTACAATATCCTTTGAGGTT
TTCTTACTAGAATGAAACACATTTTAGGAGAGTTAATGATTTCGTTGGAGCGGGGAGAAA
CAGGCAAGTCACAGGATTTTCAAAAAGTATAACAATTCAGGTAAGAATATACATTAATTA
ATGTTGCCCTAAGTTTTATCAGTTAAAATTTTTTTTTAATTTCAAGGGAAGAGGCTCTAA
CATGAGATATACCATATATCCCAGTCCATTATCTACATATTCTTCATTNTGGCCATGAGG
GTCTCCAAGCTTTCACCAGAATCTTNCACTGGTAACTCAGTGACAGAATCTTCTTGCTTT
TTTGGAATNGNGTATGCCCACTGTATTCCTTTTCAGTAGTCTGGAACTGGACCTGAAATT
CTNCAGTCCTCTTCTGAACCTCAGATACAGCTCATACCCATNCATATCTNCATGATATCT
CTCCTCTCTTGATACCTCTGTTTAGCAGGCTGCTACCTTTCTTAATNCTCTGCGCTCCGC
ATTCTGNATACCTGAGATTAGCTCTG

Restriction Sites: NotI-NotI

ACCN: NM_024818

Insert Size: 2390 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_024818.2, NP_079094.1
RefSeq Size:	2720 bp
RefSeq ORF:	1215 bp
Locus ID:	79876
UniProt ID:	Q9GZZ9
Cytogenetics:	3q22.1
Domains:	ThiF
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the E1-like ubiquitin-activating enzyme family. This protein activates ubiquitin-fold modifier 1, a ubiquitin-like post-translational modifier protein, via the formation of a high-energy thioester bond. Alternative splicing results in multiple transcript variants. A pseudogene of this gene has been identified on chromosome 1. [provided by RefSeq, Feb 2016] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.