

Recombinant Full Length Human AMBRA1 Protein, C-Flag-tagged

Cat. No. AMBRA1-1736HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human AMBRA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Enables GTPase binding activity and ubiquitin protein ligase binding activity. Involved in macroautophagy; positive regulation of phosphatidylinositol 3-kinase activity; and response to mitochondrial depolarisation. Located in cytosol. Colocalizes with mitochondrion. Biomarker of multiple system atrophy.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	132.7 kDa
AA Sequence	MKVVPEKNAVRILWGRERGARAMGAQRLLQELVEDKTRWMKWEGKRVELPDSPR STFLAFSPDRITLLASTHVNHNIYITEVKTGKCVHSLIGHRRTPWCVTFFHPTISGLIAS GCLDGEVRIWDLHGGSESWFTDSNNAIASLAFHPTAQLLLIATANEIHFWDWSRREP FAVVKTASEMERVRLVRFDPLGHYLLTAIVNPSNQGGDEPEIPIDGTELSHYRQRA LLQSQPVRRTPLLHNFLHMLSSRSSGIQVGEQSTVQDSATPSPPPPPPPQPSTERPR TSAYIRLRQRVSYPYTAECQHLGILCLCSRCSGTRVPSLLPHQDSVPPASARATTPS FSFVQTEPFHPPEQASSTQQDQGLLNRPSTAFSTVQSSTAGNLRNLSLGPTRRS LG GPLSSHPSRYHREIAPGLTGSEWTRTVLSLNSRSEAESMPPPRTSASSVSLLSVLRQ

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QEGGSQASVYTSATEGRGFASGLATESDGGNGSSQNNSGSIRHELQCDLRRFFL
 EYDRLQELDQSLSGEAPQTQQAQEMLNNNIESERPGPSHQPTPHSSENNNSNLSRG
 HLNRCRACHNLLTFNNDTLRWERTTPNYSSGEASSSWQVPSSFESVPSSGSQ LPP
 LERTEGQTPSSSRLELSSSASPQEERTVGVAFNQETGHWERIYTQSSRSGTVSQA
 LHQDMPEESSEEDSLRRRLLESSLISLSRYDGAGSREHPIYPDPARLSPAAYYAQRM
 IQYLSRRDSIRQRSMRYQQNRLRSSTSSSSSDNQGPSVEGTDLEFEDFEDNGDRS
 RHRAPRNARMSAPSLGRFVPRRFLPEYLPYAGIFHERGQPGLATHSSVNRVLAGA
 VIGDGQSAVASNIANTTYRLQWWDFTKFDLPEISNASVNVLVQNCKIYNDASCDISA
 DGQLLAAFIPSSQRGFPDEGILAVYSLAPHNLGEMLYTKRFGPNAISVSLSPMGRYV
 MVGLASRRILLHPSTEHMVAQVFRLQQAHHGETSMRRVFNVLYPMPADQRRHVSIN
 SARWLPEPGLGLAYGTNKGDLVICRPEALNSGVEYYWDQLNETVFTVHSNSRSSER
 PGTSRATWRTRDRDMGLMNAIGLQPRNPATSVTSQGTQTLALQLQNAETQTEREVP
 EPGTAASGPGESEYGESEYGESEYGESEYGESEYGESEYGESEYGESEYGESEY
 FGNNIIVSHRIHRSSQTGTEPGAHTSSPQPSTSRGLLPEAGQLAERGLSPRTASWD
 QPGTPGREPTQPTLPSSSPVPIVSLPSAEGPTLHCELNNHLLDGGSSRGDAAG
 PRGEPRNRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name AMBRA1 autophagy and beclin 1 regulator 1 [Homo sapiens (human)]

Official Symbol [AMBRA1](#)

Synonyms DCAF3; WDR94

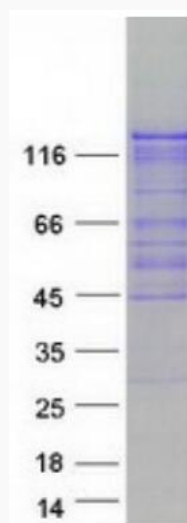
Gene ID [55626](#)

mRNA Refseq [NM_017749.3](#)

Protein Refseq [NP_060219.2](#)

MIM [611359](#)

UniProt ID [Q9C0C7](#)



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Coomassie blue staining of purified AMBRA1 protein.