

Recombinant Full Length Human UBQLN1 Protein, GST-tagged

Cat. No. UBQLN1-597HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human UBQLN1(1 a.a. - 589 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	589 amino acids
Description	This gene encodes an ubiquitin-like protein (ubiquilin) that shares a high degree of similarity with related products in yeast, rat and frog. Ubiquilins contain an N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. They physically associate with both proteasomes and ubiquitin ligases, and thus are thought to functionally link the ubiquitination machinery to the proteasome to affect in vivo protein degradation. This ubiquilin has also been shown to modulate accumulation of presenilin proteins, and it is found in lesions associated with Alzheimer's and Parkinson's disease. Two transcript variants encoding different isoforms have been found for this gene.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	90.53 kDa
AA Sequence	MAESGESGGP PGSQDSAAGA EGAGTPAAAA SAEPKIMKVT VKTPKEKEEF

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AVPENSSVQQ FKEEISKRFK SHTDQLVLIF AGKILKDQDT LSQHGHDGL
 TVHLVIKTQN RPQDHSAQQT NTAGSNVTTS STPNSNSTSG SATSNPFGLG
 GLGGLAGLSS LGLNTTNFSE LQSQMQRQLL SNPEMMVQIM ENPFVQSMLS
 NHDLMRQLIM ANPQMQLIQ RNPEISHMLN NPDIMRQTL LARNPAMMQE
 MMRNQDRALS NLESIPGGYN ALRRMYTDIQ EPMLSAAQEQ FGGNPFASLV
 SNTSSGEGSQ PSRTENRDPL PNPWAPQTSQ SSSASSGTAS TVGGTTGSTA
 SGTSGQSTTA PNLVPGVGAS MFNTPGMQSL LQQITENPQL MQNMLSAPYM
 RSMMQSLSQN PDLAAQMLLN NPLFAGNPQL QEQMRQQLPT FLQQMQNPDT
 LSAMSNPRAM QALLQIQQGL QTLATEAPGL IPGFTPGLGA LGSTGGSSGT
 NGSNATPSEN TSPTAGTTEP GHQQFIQML QALAGVNPQL QNPEVRFQQQ
 LEQLSAMGFL NREANLQALI ATGGDINAAI ERLLSQPS

Applications

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

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

UBQLN1 ubiquilin 1 [Homo sapiens]

Official Symbol

UBQLN1

Synonyms

UBQLN1; ubiquilin 1; ubiquilin-1; DA41; DSK2; PLIC 1; XDRP1; hPLIC-1; protein linking IAP with cytoskeleton 1; UBQN; PLIC-1; FLJ90054

Gene ID

29979

mRNA Refseq

NM_013438

Protein Refseq

NP_038466

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MIM	605046
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UniProt ID	Q9UMX0
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