

32-13495: UBQLN2 Human

Alternative Name :

UBQLN2, Ubiquilin 2, CHAP1, PLIC2, Protein Linking IAP With Cytoskeleton 2, Ubiquitin-Like Product Chap1/Dsk2, ALS15, N4BP4, NEDD4 Binding Protein 4, Nedd4 Binding Protein 4, DSK2 Homolog, Ubiquilin-2, HRIHFB2157, HPLIC-2, PLIC-2, DSK2.

Description

Source: Escherichia Coli.

Sterile Filtered colorless solution.

Ubiquilin-2, also known as UBQLN2 contains an N-terminal ubiquitin-like domain and a C-terminal ubiquitin-associated domain. UBQLN2 is physically linked with proteasomes as well as ubiquitin ligases, and therefore is considered to functionally connect the ubiquitination machinery to the proteasome in order to affect in vivo protein degradation. Furthermore, UBQLN2 binds the ATPase domain of the Hsp70-like Stch protein. Among the diseases which are associated with UBQLN2: Amyotrophic lateral sclerosis 15, with or without frontotemporal dementia as well as Amyotrophic lateral sclerosis type 15.

UBQLN2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 647 amino acids (1-624 a.a) and having a molecular mass of 68.1kDa. UBQLN2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : UBQLN2 protein solution (0.25mg/ml) containing Phosphate Buffered Saline (pH7.4), 20% glycerol and 1mM DTT.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMANGES SGPPRPSRGP AAAQGSAAAP AEPKIIKVTV KTPKEKEEFA VPENSSVQQF KEAISKRFKS QTDQLVLIFA GKILKDQDTL IQHGIHDGLT VHLVIKSQNR PQQGSTQPSN AAGTNTTSAS TPRSNSTPIS TNSNPFGLGS LGGLAGLSSL GLSSTNFSEL QSQMQQQLMA SPEMMIQIME NPFVQSMLSN PDLMRQLIMA NPQMQLIQR NPEISHLLNN PDIMRQTLEI ARNPAMMQEM MRNQDLALSN LESIPGGYNA LRRMYTDIQE PMLNAAEQEQ GGNPFASVGS SSSSGEGTQP SRTENRDPLP NPWAPPPATQ SSATTSTTTT TGSGSGNSSS NATGNTVAAA NYVASIFSTP GMQSLQKIT ENPQLIQNML SAPYMRSMQ SLSQNPDLAA QMMLNSPLFT ANPQLQEQMR PQLPAFLQMQ QNPDTLSAMS NPRAMQALMQ IQQGLQTLAT EAPGLIPSFT PGVGVGLGT AIGPVGVPVTP IGPVGPVFP TPIGPIGPIG PTGPAAPPGS TGSGGPTGPT VSSAAPSETT SPTSESGPNQ QFIQMVQAL AGANAPQLPN PEVRFQQQLE QLNAMGFLNR EANLQALIAT GGDINAAIER LLGSQPS.