

32-6937: UBA2 Human

Alternative Name : SAE2, UBA-2, SAE-2, SUMO-1 Activating Enzyme Subunit 2.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

SUMO-activating enzyme subunit 2 (UBA2) belongs to a family of small and related proteins which can be enzymatically attached to a target protein by a post-translational modification process termed sumoylation. UBA2 is conjugated to various molecules in the presence of the SAE1/UBA2 SUMO-activating(E1) enzyme and the UBE2I/Ubc9 SUMO-conjugating(E2) enzyme. UBA2 represents a vital mechanism to protect neurons during episodes of cerebral ischemia.

UBA2 Human Recombinant produced in in Sf9 Baculovirus cells is a single, non-glycosylated polypeptide chain containing 649 amino acids (1-640a.a) and having a molecular mass of 72.3kDa (Migrates at 70-100kDa on SDS-PAGE under reducing conditions). UBA2 is fused to a 6 amino acid His-tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 1 µg / 5 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : UBA2 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

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 : ADLMALSRGL PRELAEAVAG GRVLVVGAGG IGCELLKNLV LTGFSHIDLI DLDTIDVSNL NRQFLFQKKH VGRSKAQVAK ESVLQFYFPA NIVAYHDSIM NPDYNVEFFR QFILVMNALD NRAARNHVNR MCLAADVPLI ESGTAGYLGQ VTTIKKGVTE CYECHKPTQ RTFPGCTIRN TPSEPIHCIV WAKYLFNQLF GEEDADQEVS PDRADPEAAW EPTAEARAR ASNEDGDIKR ISTKEWAKST GYDPVKLFTK LFKDDIRYLL TMDKLWRKRK PPVPLDWAEV QSQGEETNAS DQQNEPQLGL KDQQVLDVKS YARLFSKSIE TLRVHLAEGK DGAELIWDKD DPSAMDFVTS AANLRMHIFS MNMKSFRDIK SMAGNIIPAI ATTNVIAGL IVLEGLKILS GKIDQCRTIF LNKQPNPRKK LLVPCALDPP NPNCYVCASK PEVTVRLNVH KVTVLTLDQK IVKEKFAMVA PDVQIEDGKG TILISSEEGE TEANNHKKLS EFGIRNGSRL QADDFLQDYT LLINILHSED LGKDVEFEVV GDAPEKVGPK QAEDAASIT NGSDDGAQPS TSTAQEQDDV LIVDSDEEDS SNNADVSEEE RSRKRKLDEK ENLSAKRSRI EQKEELDDVI ALDHHHHHH