

UBA2, 1-640aa, Human, His tag, Baculovirus

Cat.NO.: TP04369

3th Edition

Synonyms:SUMO-activating enzyme subunit 2, UBA2, ARX, HRIHFB2115, SAE2

Description:UBA2, also known as SUMO-activating enzyme subunit 2, is a family of small and related proteins that can be enzymatically attached to a target protein by a post-translational modification process termed sumoylation. It is conjugated to a variety of molecules in the presence of the SAE1/UBA2 SUMO-activating(E1) enzyme and the UBE2I/Ubc9 SUMO-conjugating(E2) enzyme. It may represent an important mechanism to protect neurons during episodes of cerebral ischemia. Recombinant human UBA2, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

Molecular Weight:72.3kDa (649aa); 70-100kDa (SDS-PAGE under reducing conditions)

Sequences:

ADLMALSRGLPRELAEAVAGGRVLVVGAGGIGCELLKNLVLTGFSHIDLIDLDTIDVSNLNRQFLFQKKHVGRSKAQ
VAKESVLQFYPKANIVAYHDSIMNPDYNVEFFRQFILVMNALDNRAARNHVNRMCLAADVPLIESGTAGYLGQVTTI
KKGVTECYECHKPTQRTFPGCTIRNTPSEPIHCIVWAKYLFNQLFGEEDADQEVSPDRADPEAAWEPTAEARAR
ASNEDGDIKRISTKEWAKSTGYDPVKLFTKLFKDDIRYLLTMDKLWRKRKPPVPLDWAEVQSQGEETNASDQQNE
PQLGLKDQQVLDVKSARLFSKSIETLRVHLAEKGDGAELIWDKDDPSAMDFV TSAANLRMHIFSMNMKSRFDIKS
MAGNIIPAIATTNAVIAGLIVLEGLKILSGKIDQCRTIFLNKQPNPRKLLVPCALDPPNPNCYVCASKPEVTVRLNVHK
VTVLTLQDKIVKEKFAMVAPDVQIEDGKGTLISSEEGETEANNHKKLSEFGIRNGSRLQADDFLQDYTLINILHSED
LGKDVEFEVVGDAPEKVGPKQAEDA AKSITNGSDDGAQPSTSTAQEQDDVLIVDSDEEDSSNNADVSEEERSRKR
KLDEKENLSAKRSRIEQKEELDDVIALDHHHHHH

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.