

AR50592PU-N

Human ASPRV1 / SASP (191-326, His-tag) - Purified

Alternate names:	Retroviral-like aspartic protease 1, SASPase, Skin aspartic protease, Skin-specific retroviral-like aspartic protease, TAPS, TPA-inducible aspartic proteinase-like protein
Quantity:	0.5 mg
Concentration:	0.25 mg/ml (determined by Bradford assay)
Background:	ASPRV1, also known as MUNO, SASP and ASAPase, is a protein that contains 1 peptidase A2 domain. This protein is expressed primarily in the granular layer of the epidermis and inner root sheath of hair follicles and localized to membrane region. This protein undergoes autocleavage which is necessary for activation of the protein.
Uniprot ID:	Q53RT3
NCBI:	NP_690005
GeneID:	151516
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >90% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Description:	Recombinant Human ASPRV1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SGLVPRGSH MGSSMGKGY LKGKIGKVPV RFLVDSGAQV SVVHPNLWEE VTDGDLDTLQ PFENVVKVAN GAEMKILGVW DTAVSLGKLK LKAQFLVANA SAEAAIIGTD VLQDHNAILD FEHRTCTLKG KKFRLLPVGG SLEDEFDLE Molecular weight: 17.2 kDa (159aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Matsui T, Miyamoto K, Kubo A, Kawasaki H, Ebihara T, Hata K, et al. SASPase regulates stratum corneum hydration through profilaggrin-to-filaggrin processing. EMBO Mol Med. 2011 Jun;3(6):320-33. doi: 10.1002/emmm.201100140. Epub 2011 May 3. PubMed PMID: 21542132. 2. Rhiemeier V, Breitenbach U, Richter KH, Gebhardt C, Vogt I, Hartenstein B, et al. A novel aspartic proteinase-like gene expressed in stratified epithelia and squamous cell carcinoma of the skin. Am J Pathol. 2006 Apr;168(4):1354-64. PubMed PMID: 16565508.

Pictures:

