

ATPase Transporting Lysosomal Accessory Protein 2 Human Recombi-

Item Number	rAP-2811
Synonyms	Renin receptor, ATPase H(+)-transporting lysosomal accessory protein 2, ATPase H(+)-transporting lysosomal-interacting protein 2, ER-localized type I transmembrane adaptor, Embryonic liver differentiation factor 10, N14F, Renin/prorenin receptor, Vacuolar
Description	ATP6AP2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 296 amino acids including a 10 a.a N-terminal His tag. The total molecular mass is 33kDa (calculated).
Uniprot Accession Number	O75787
Amino Acid Sequence	MKHHHHHHAS NEFSILKSPG SVVFRNGNWP IPGERIPDVA ALSMGFSVKE DLSWPGLAVG NLF-HRPRATV MVMVKGVNKL ALPPGSVISY PLENVPFSL DSVANSIHSL FSEETPVVLQ LAPSEERVYM VGKANSVFED LSVTLRQLRN RLFQENSVLS SLPLNSLSRN NEVDLLFLSE LQVLHDISSL LSRHKHLAKD HSPDLYSLEL AGLDEIGKRY GEDSEQFRDA SKILVDALQK FADDMYSLYG GNAVVELVTV KSFDTSILRK TRTILEAKQA KNPASPYNLA YKYNFE.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	ATP6AP2 filtered (0.4 µm) and lyophilized from 0.5mg/ml in 20mM Tris buffer and 50mM NaCl, pH 7.5. Greater than 90.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add 200µl deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. ATP6AP2 is not sterile! Please filter the product by an appropriate sterile filter before use.
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**