

# Recombinant human Potassium-transporting ATPase subunit beta

Catalog No: #AP72447

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Package Size: #AP72447-1 20ug #AP72447-2 100ug #AP72447-3 1mg

## Description

Product Name	Recombinant human Potassium-transporting ATPase subunit beta
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:58-291Sequence Info:Extracellular Domain
Other Names	Gastric H(+),K(+) ATPase subunit betaProton pump beta chain
Accession No.	P51164
Uniprot	P51164
GeneID	496;
Calculated MW	28.6 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	CLYVLMQTVDPYTPDYQDQLRSPGVTLRPDVYGEKGLEIVYNVSDNRTWADLTQTLHAFLAGYSPAAQEDSI NCTSEQYFFQESFRAPNHTKFCKFTADMLQNCGLADPNFGFEEGKPCFIIKMNRIKFLPSNGSAPRVDC FLDQPRELGGQPLQVKYPPNGTFSLHYFPYYGKKAQPHYSNPLVAAKLLNIPRNAEVAIVCKVMAEHVTFNNP HDPYEGKVEFKLIEK
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Required for stabilization and maturation of the catalytic proton pump alpha subunit and may also involved in cell adhesion and establishing epithelial cell polarity.

## References

cDNA cloning of the beta-subunit of the human gastric H,K-ATPase.Ma J.-Y., Song Y.-H., Sjostrand S.E., Rask L., Maardh S.Biochem. Biophys. Res. Commun. 180:39-45(1991)Research Topic:Transport

Note: This product is for in vitro research use only