

Recombinant Human Renin receptor(ATP6AP2)

Catalog No: #AP70068

Package Size: #AP70068-1 20ug #AP70068-2 100ug #AP70068-3 1mg

Description

Product Name	Recombinant Human Renin receptor(ATP6AP2)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:17-350aaSequence Info:Full Length
Other Names	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 ATP synthase membrane sector-associated protein M8-9
Accession No.	O75787
Calculated MW	41.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	NEFSILKSPGSVVFRNGNWPIPIGERIPDVAALSMGFSVKEDLSWPGLAVGNLFHRPRATVMVMVKGVNKLAL PPGSVISYPLENAVPFSLDSVANSIHSLSFSEETPVVLQLAPSEERVYMGKANSVFEDLSVTLRQLRNRLFQEN SVLSSLPLNLSRNNEVDLLFLSELQVLHDISSLLSRHKHLAKDHSPDLYSLELAGLDEIGKRYGEDSEQFRDA SKILVDALQKFADDMYSLYGGNAVVELVTVKSFDTSILRKTRTILEAKQAKNPASPYNLAYKYNFEYSVVFNMV LWIMIALALAVIITSYNIWNMDPGYDSIIYRMTNQKIRMD
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

Functions as a renin and prorenin cellular receptor. May mediate renin-dependent cellular responses by activating ERK1 and ERK2. By increasing the catalytic efficiency of renin in AGT,angiotensinogen conversion to angiotensin I, it may also play a role in the renin-angiotensin system (RAS).

References

"Pivotal role of the renin,prorenin receptor in angiotensin II production and cellular responses to renin."

Nguyen G., Delarue F., Burckle C., Bouzahir L., Giller T., Sraer J.-D.

J. Clin. Invest. 109:1417-1427(2002)Research Topic:Signal Transduction

Note: This product is for in vitro research use only and is not intended for use in humans or animals.