

Recombinant Human Renin receptor(ATP6AP2)



Catalog No: #AP73668

Package Size: #AP73668-1 10ug #AP73668-2 50ug #AP73668-3 100ug #AP73668-4 200ug #AP73668-5 500ug #AP73668-6 1mg

Orders: order@abscitech.comSupport: tech@abscitech.com

Description

Product Name	Recombinant Human Renin receptor(ATP6AP2)
Brief Description	Recombinant Protein
Host Species	E.coli
Target Name	ATP6AP2
Other Names	ATP6M8-9; V-ATPase M8.9 subunit
Accession No.	Uniprot ID: O75787
Target Species	Hu
SDS-PAGE MW	31.5kDa
Target Length	Full Length, 17-350aa
Tag Info	N-terminal 10xHis-SUMO-tagged
Target Sequence	NEFSILKSPGSVVFRNGNWPIGERIPDVAALSMGFSVKEDLSWPGLAVGNLFHRPRATVMVMVKGVNKLAL PPGSVISYPLENAVPFSLDSVANSIHSLSFSEETPVVLQLAPSEERVYMGKANSVFEDLSVTLRQLRNRLFQEN SVLSSLPLNLSRNNEVDLLFLSELQVLHDISSLLSRHKHLAKDHSPDLYSLELAGLDEIGKRYGEDSEQFRDA SKILVDALQKFADDMYSLYGGNAVVELVTVKSFDTSLIRKTRTILEAKQAKNPASPYNLAYKYNFEYSVVFNMV LWIMIALALAVIITSYNIWNMDPGYDSIIYRMTNQKIRMD
Formulation	Tris-based buffer, 50% 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.

Application Details

Greater than 90% as determined by SDS-PAGE.

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

Altered splicing of ATP6AP2 causes X-linked parkinsonism with spasticity (XPDS). Korvatska O., Strand N.S., Berndt J.D., Strovas T., Chen D.H., Leverenz J.B., Kiiianitsa K., Mata I.F., Karakoc E., Greenup J.L., Bonkowski E., Chuang J., Moon R.T., Eichler E.E., Nickerson D.A., Zabetian C.P., Kraemer B.C., Bird T.D., Raskind W.H. Hum. Mol. Genet. 22:3259-3268(2013)

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