

Recombinant Human Aquaporin-4(AQP4),partial

Catalog No: #AP70050

Package Size: #AP70050-1 20ug #AP70050-2 100ug #AP70050-3 1mg

Description

Product Name	Recombinant Human Aquaporin-4(AQP4),partial
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:253-323aaSequence Info:Cytoplasmic Domain
Other Names	Mercurial-insensitive water channel ;MIWCWCH4
Accession No.	P55087
Calculated MW	24 kDa
Tag Info	N-terminal 6xHis-SUMO-tagged
Target Sequence	CPDVEFKRRFKEAFSKAAQQTGKSYMEVEDNRSQVETDDLILKPGVVHVIDVDRGEEKKGKDQSGEVLSSV
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

Forms a water-specific channel. Osmoreceptor which regulates body water balance and mediates water flow within the central nervous syst.

References

Megalencephalic leukoencephalopathy with subcortical cysts protein 1 functionally cooperates with the TRPV4 cation channel to activate the response of astrocytes to osmotic stress dysregulation by pathological mutations.Lanciotti A., Brignone M.S., Molinari P., Visentin S., De Nuccio C., Macchia G., Aiello C., Bertini E., Aloisi F., Petrucci T.C., Ambrosini E.Hum. Mol. Genet. 21:2166-2180(2012) Research Topic:Transport

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