

Recombinant Homo sapiens Aquaporin-4

Catalog No: #AP72440



Package Size: #AP72440-1 20ug #AP72440-2 100ug #AP72440-3 1mg

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

Description

Product Name	Recombinant Homo sapiens Aquaporin-4
Brief Description	Recombinant Protein
Host Species	Yeast
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
Uniprot	P55087
GeneID	361;
Calculated MW	10 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	CPDVEFKRRFKEAFSKAAQQTKGSYMEVEDNRSQVETDDLILKPGVVHVIDVDRGEEKKGKDKQSGEVLSSV
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

Crystal structure of human aquaporin 4 at 1.8 Å and its mechanism of conductance.Ho J.D., Yeh R., Sandstrom A., Chorny I., Harries W.E., Robbins R.A., Miercke L.J., Stroud R.M.Proc. Natl. Acad. Sci. U.S.A. 106:7437-7442(2009)Research Topic:Transport

Note: This product is for in vitro research use only