

Aquaporin 4 (AQP4) Recombinant Protein | AQP4 recombinant protein

Recombinant Aquaporin 4 (AQP4)

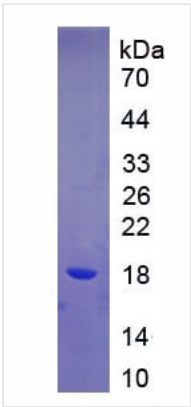
CATALOG # AAA134450	HOST E.coli	REACTIVITY Mus musculus (Mouse)	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Aquaporin 4 (AQP4); Recombinant Aquaporin 4 (AQP4); AQP4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Reactivity	Mus musculus (Mouse)
Purity/Purification	> 97%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Concentration	Original Concentration 200ug/mL (varies by lot)
Applicable Applications for AQP4 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Residues	Ser177~Ile304
Tags	N-terminal His Tag
Subcellular Location	Membrane
Traits	Freeze-dried powder
Predicted isoelectric point	6.3
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



SCDS KRTDVTGSIA LAIGFSAIG
HLFAINYTGA SMNPARSFGP AVIMGNWANH WIYVGPIMG AVLAGALYEV
VFCDVELKR RLKEAFSKAA QQTGGSYMEV EDNRSQVETE DLILKPGVVH
VIDI

Sequence

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	160415211
NCBI GeneID	11829
NCBI Accession #	NP_033830.2
NCBI GenBank Nucleotide #	NM_009700.2
UniProt Accession #	P55088; P97818; Q4FJP1; Q61131; Q61132; Q8VHE4; Q8VHE5; Q9EQI3
Molecular Weight	Predicted Molecular Mass: 15.3kDa Accurate Molecular Mass: 18kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	aquaporin-4
NCBI Official Synonym Full Names	aquaporin 4
NCBI Official Symbol	Aqp4
NCBI Official Synonym Symbols	WCH4
NCBI Protein Information	aquaporin-4; AQP-4; mercurial-insensitive water channel
UniProt Protein Name	Aquaporin-4
UniProt Gene Name	Aqp4
UniProt Synonym Gene Names	AQP-4; MIWC
UniProt Entry Name	AQP4_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.