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Datasheet for ABIN7505324
AQP2 Protein (AA 225-271) (His tag)

Overview

Quantity:	100 µg
Target:	AQP2
Protein Characteristics:	AA 225-271
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This AQP2 protein is labelled with His tag.

Product Details

Sequence:	Pro 225-Ala 271
Characteristics:	A DNA sequence encoding the Human AQP-2 protein (P41181) (Pro 225-Ala 271) was expressed with a N-His tag.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	AQP2
Alternative Name:	AQP-2 (AQP2 Products)
Background:	Abbreviation: AQP-2 Target Synonym: Aquaporin-2,AQP2,ADH water channe Background: Forms a water-specific channel that provides the plasma membranes of renal collecting duct with high permeability to water, thereby permitting water to move in the

Target Details

direction of an osmotic gradient.

Molecular Weight: Calculated MW: 5.06 kDa
Observed MW: 15 kDa

UniProt: [P41181](#)

Pathways: [Response to Water Deprivation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months