

Product datasheet for **TP503989**

Aqp3 (NM_016689) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse aquaporin 3 (Aqp3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR203989 protein sequence Red =Cloning site Green =Tags(s)
	MGRQKELMNRCGEMLHIRYLLRQALAECLGTLILVMFGCGSVAQVLSRGTHGGFLTINLAFGFAVTLG ILVAGQVSGAHLNPAVTFAMCFLAREPWIKLPIYALAQT LGAFLGAGIVFGLYDAIWAFANNELFVSGP NGTAGIFATYPSGHLDMVNGFFDQFIGTAALIVCVLAI VDPYNNPVPRGLEAFTVGLVVLVIGTSMGFNS GYAVNPARDFGPRLFTALAGWGSEVFTTGRHWWWVPIVSPLLGSIAGVFVYQLMIGCHLEQPPPSTEEEN VKLAHMKHKEQI
	TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	31.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_057898
Locus ID:	11828
UniProt ID:	Q8R2N1



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RefSeq Size: 1763

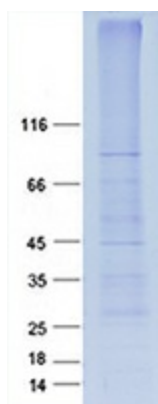
Cytogenetics: 4 A5

RefSeq ORF: 879

Synonyms: AQP-2

Summary: Water channel required to promote glycerol permeability and water transport across cell membranes. Acts as a glycerol transporter in skin and plays an important role in regulating SC (stratum corneum) and epidermal glycerol content. Involved in skin hydration, wound healing, and tumorigenesis. Provides kidney medullary collecting duct with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient. Slightly permeable to urea and may function as a water and urea exit mechanism in antidiuresis in collecting duct cells. It may play an important role in gastrointestinal tract water transport and in glycerol metabolism.[UniProtKB/Swiss-Prot Function]

Product images:



Purified recombinant protein Aqp3 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.