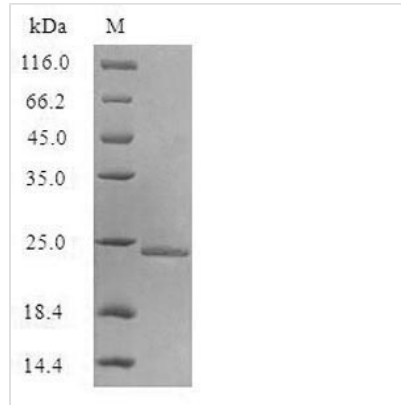


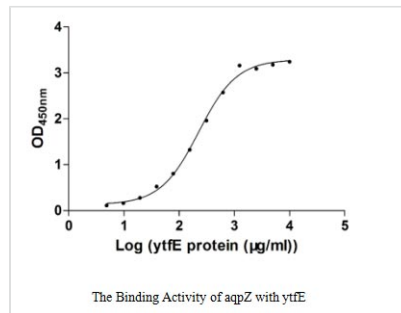


Recombinant Escherichia coli Aquaporin Z (aqpZ) (Active)

Product Code	CSB-CF352724ENV
Relevance	Channel that permits osmotically driven movement of water in both directions. It is involved in the osmoregulation and in the maintenance of cell turgor during volume expansion in rapidly growing cells. It mediates rapid entry or exit of water in response to abrupt changes in osmolarity
Abbreviation	Recombinant E.coli AQPZ protein (Active)
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.
Uniprot No.	P60844
Storage Buffer	Tris-based buffer,50% glycerol
Product Type	Others
Immunogen Species	Escherichia coli (strain K12)
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized aqpZ at 5 µg/ml can bind E.coli ytfE, the EC50 of E.coli ytfE protein is 197.90-259.70 µg/ml.
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MFRKLAAEFCGTFWLVFGGCGSAVLAAGFPELGIGFAGVALAFGLTVLTMAFA VGHISGGHFNPAVTIGLWAGGRFPAKEVVGYYVIAQVVGIVAAALLYLIASGKT GFDAASGFASNGYGEHSPGGYSMLSALVVELVLSAGFLLVIHGATDKFAPAG FAPAIAGLALTLIHLISIPVTNTSVNPARSTAVAIQGGWALEQLWFFWVVPVGG IIGGLIYRTLLEKRD
Research Area	Microbiology
Source	in vitro E.coli expression system
Target Names	aqpZ
Expression Region	1-231aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	27.7kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Activity
 Measured by its binding ability in a functional ELISA. Immobilized aqpZ at 5 µg/ml can bind E.coli ytfE, the EC₅₀ of E.coli ytfE protein is 197.90-259.70 µg/ml.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.

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