

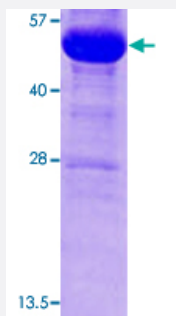
Bioactive

Full-Length

zwf (*Escherichia coli*) Recombinant protein

Catalog # P4976 Size 100 ug

Applications



Specification

Product Description

Escherichia coli zwf (NP_416366, 1 a.a. - 491 a.a.) full-length recombinant protein expressed in *Escherichia coli*.

Sequence

MAVTQTAQACDLVIFGAKGDLARRKLLPSLYQLEKAGQLNPDTRIIGVGRADWDKAAAYTKVVREA
LETFMKETIDEGLWDTL SARLDFCNLDVNDTAAFSRLGAMLDQKNRITINYFAMPPSTFGAICKGL
GEAKLNAKPARVVM EKPLGTSLATSQEINDQVGEYFEECQVYRIDHYLGKETVLNLLALRFANSLF
VNNWDNRTIDHVEITVAEEVGIEGRWGYFDKAGQMRD MIQNHLLQILCMIAMSPPSDLSADSIRDE
KV KVLKSLRRIDRSNVREKTVRGQYTAGFAQGKKVPGYLEEEGANKSSNTETFVAIRVDIDNWRW
AGVPFYLRTGKRLPTKCSEVVVYFKTPELNLFKESWQDLPQNKLTIRLQPD EGVDIQVLNKVPGL
DHKHNLQITKLDLSYSETFNQTHLADAYERLLLETMRGIQALFVR RDEVEEAWKWVDSITEAWAM
DNDAPKPYQAGTWGPVASVAMITRDGRSWNEFE

Host

Escherichia coli

Theoretical MW (kDa)

27

Form

Liquid

Preparation Method

Escherichia coli expression system

Purification

Conventional Chromatography

Concentration

1 mg/mL

Purity	> 90% by SDS-PAGE
Activity	Specific activity is 8-10 units/mL obtained by measuring the increase of NADPH in absorbance at 340 nm resulting from the reduction of NAD or NADP. One unit oxidizes 1.0 umole D-glucose-6-phosphate to 6-phospho-D-gluconate per min in the presence of beta-
Quality Control Testing	15% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In PBS, 2 mM EDTA, pH 7.4 (10% glycerol, 0.1 mM PMSF, 0.5 mM DTT).
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — zwf

Entrez GeneID	946370
Protein Accession#	NP_416366
Gene Name	zwf
Gene Alias	ECK1853, JW1841
Gene Description	glucose-6-phosphate dehydrogenase
Gene Ontology	Hyperlink
Other Designations	-