

Recombinant Escherichia coli ZWF Protein (1-486 aa), GST-tagged

Cat. No. ZWF-1312E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Escherichia coli (strain K12) ZWF Protein (1-486 aa) is produced by E. coli expression system. This protein is fused with a GST tag at the N-terminal. Protein Description: Partial.
Species	E.coli
Source	E.coli
ProteinLength	1-486 aa
Description	Catalyzes the oxidation of glucose 6-phosphate to 6-phosphogluconolactone.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	82.0 kDa
AA Sequence	MAVTQTAQACDLVIFGAKGDLARRKLLPSLYQLEKAGQLNPDTRIIGVGRADWDKAA YTKVVREALETFMKETIDEGLDWDTLSARLDFCNLDVNDTAAFSRLGAMLDQKNRITIN YFAMPPSTFGAICKGLGEAKLNAKPARVVMKPLGTSLATSQEINDQVGEYFEECQV YRIDHYLGKETVLNLLALRFANSLFVNNWDNRITIDHVEITVAEEVGIEGRWGYFDKA GQMRDMIQNHLLQILCMIAMSPPSDLSADSIRDEKVKVLKSLRRIDRSNVREKTVRG QYTAGFAQGKKVPGYLEEEGANKSSNTETFAIRVDIDNWRWAGVPFYLRTGKRLP TKCSEVVVYFKTPELNLFKESWQDLPQNKLTIRLQPDEGVDIQVLNKVPGLDCHKHNL QITKLDLSYSETFNQTHLADAYERLLETMRGIQALFVRRDEVEEAWKWVDSITEAW

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	AMDNDAPKPYQAGTWGPVASVAMITRDGRS
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

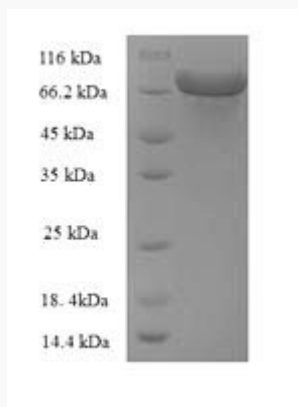
GENE INFORMATION

Gene Name	zwf NADP(+)-dependent glucose-6-phosphate dehydrogenase [Escherichia coli str. K-12 substr. MG1655]
Official Symbol	ZWF
Synonyms	ECK1853;
Gene ID	946370
Protein Refseq	NP_416366
UniProt ID	P0AC53

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

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