

Recombinant E.coli Glucose-6-phosphate 1-dehydrogenase

Catalog No: #AP72391

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Package Size: #AP72391-1 20ug #AP72391-2 100ug #AP72391-3 1mg

Description

Product Name	Recombinant E.coli Glucose-6-phosphate 1-dehydrogenase
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-486aaSequence Info:Partial
Accession No.	P0AC53
Uniprot	P0AC53
GeneID	946370;
Calculated MW	82 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	MAVTQTAQACDLVIFGAKGDLARRKLLPSLYQLEKAGQLNPDTRIIGVGRADWDKAAAYTKVVREALETFMKETI DEGLWDTLSARLDFCNLDVNDTAAFSRLGAMLQKRNITINYFAMPPSTFGAICKGLGEAKLNAKPARVVMK PLGTSLATSQEINDQVGEYFEECQVYRIDHYLGKETVLNLLALRFANSLFVNNWDNRITIDHVEITVAEEV WGYFDKAGQMRDMIQNHLQILCMIAMSPPSDLSADSIRDEKVKVLKSLRRIDRSNVREKTVRGQYTAGFAQG KKVPGYLEEEGANKSSNTETFVAIRVDIDNWRWAGVPFYLRTGKRLPTKCSEVVVYFKTPELNLFKESWQDLP QNKLTIRLQPDEGVDIQVLNKVPLDGHKHNLQITKLDLSYSETFNQTHLADAYERLLETMRGIQALFVRRDEV EEAWKWVDSITEAWAMDNDAPKPYQAGTWGPVASVAMITRDGRS
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Catalyzes the oxidation of glucose 6-phosphate to 6-phosphogluconolactone.

References

A linear pentapeptide is a quorum-sensing factor required for mazEF-mediated cell death in Escherichia coli.Kolodkin-Gal I., Hazan R., Gaathon A., Carmeli S., Engelberg-Kulka H.Science 318:652-655(2007)Research Topic:Others

Note: This product is for in vitro research use only