

## Product datasheet for TP508269

### G6pdx (NM\_008062) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse glucose-6-phosphate dehydrogenase X-linked (G6pdx), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208269 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MAEQVALSRTQVCGILREELYQGDAFHQADTHIFIIMGASGDLAKKKIYPTIWWLFRDGLLPEDTFIVGY  
ARSRLTVDDIRKQSEPPFFKATPEERPKEEFFARNSYVAGQYDDAASYKHLNSHMNALHQGMQANRLFYL  
ALPPTVYEAVTKNIQETCMSQTGWNRIIVEKPFGRDLQSSNQLSNHISLFREDQIYRIDHYLGKEMVQN  
LMVLRFANRIFGPIWNRDNIACVILTFKEPFGTEGRGGYFDEFGIIRDVMQNHLLQMLCLVAMEKPATTG  
SDDVRDEKVKVLCISEVETDNVVLGQYVGNPNGEAANGYLDDPTVPHGSTTATFAAAVLYVENERWD  
GVPFILRCGKALNERKAEVRLQFRDVAGDIFHQQCKRNELVIRVQPNEAVYTKMMTKKPGMFFNPEESEL  
DLTYGNRYKNVKLPDAYERLILDVFCGSQMHFVRSDELREAWRIFTPLLHKIDREKQPPIPYVYGSRGPT  
EADELMKRVGFQYEGTYKWWNPHKL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	59.3 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:	<a href="#">NP_032088</a>



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Locus ID:	14381
UniProt ID:	<a href="#">Q00612</a> , <a href="#">Q790Y8</a>
RefSeq Size:	2639
Cytogenetics:	X 38.0 cM
RefSeq ORF:	1548
Synonyms:	G6pd; G28A; Gpdx
Summary:	Catalyzes the rate-limiting step of the oxidative pentose-phosphate pathway, which represents a route for the dissimilation of carbohydrates besides glycolysis. The main function of this enzyme is to provide reducing power (NADPH) and pentose phosphates for fatty acid and nucleic acid synthesis (By similarity).[UniProtKB/Swiss-Prot Function]