

Recombinant Drosophila Melanogaster TRX-2 Protein (1-114 aa), His-SUMO-tagged

Cat. No. TRX2-1877D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Drosophila Melanogaster (Fruit fly) TRX-2 Protein (1-114 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length.
Species	Drosophila
Source	E.coli
ProteinLength	1-114 aa
Description	Participates in various redox reactions through the reversible oxidation of its active center dithiol to a disulfide and catalyzes dithiol-disulfide exchange reactions. As a reducing substrate of peroxiredoxin 1, thioredoxin 2 is preferred over thioredoxin 1.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	28.7 kDa
AA Sequence	MMILLRDSTNLHFHLQADLDGQLTKASGKLVVLDFATWCGPCKMISPKLVELSTQF ADNVVVLKVDVDECEDIAEMEYNISSMPTFVFLKNGVKVEEFAGANAKRLEDVIKANI
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4

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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.

GENE INFORMATION

Gene Name

Trx-2 thioredoxin-2 [*Drosophila melanogaster* (fruit fly)]

Official Symbol

TRX-2

Synonyms

31884; anon-WO0118547.188; CG31884; CG3864; DmelTrx-2; Dmel\CG31884; dmtrx-2; DmTrx-2; DTrx-2; Trx; trx-2; Trx2; TRX2;

Gene ID

34281

mRNA Refseq

NM_164863

Protein Refseq

NP_723475

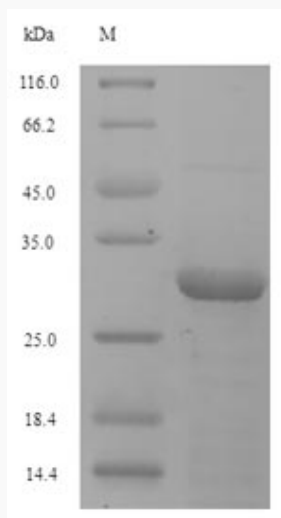
UniProt ID

Q9V429

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

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