

B. subtilis Recombinant, Oxalate oxidase (OxOx)

OxO, OxOx, OxO_r

Catalog # PBV11571r

Specification

B. subtilis Recombinant, Oxalate oxidase (OxOx) - Product info

Primary Accession

[O34714](#)

Calculated MW

43.6 kDa KDa

B. subtilis Recombinant, Oxalate oxidase (OxOx) - Additional Info

Gene ID

938620

Other Names

OxO, OxOx, OxO_r

Gene Source

Bacillus subtilis

Source

E. Coli

Assay&Purity

SDS-PAGE; ≥90%

Recombinant

Yes**Target/Specificity**

oxdC

Application Notes

Reconstitute to 2 mg/mL in sterile water

Format

Freeze dried

Storage

-20°C; Freeze-dried from proprietary buffer

B. subtilis Recombinant, Oxalate oxidase (OxOx) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

B. subtilis Recombinant, Oxalate oxidase (OxOx) - Images**B. subtilis Recombinant, Oxalate oxidase (OxOx) - Background**

Oxalate oxidase is a member of the cupin superfamily. It catalyzes the breakdown of oxalate to

hydrogen peroxide and carbon dioxide. Oxalate oxidase and oxalate decarboxylase are two similar enzymes that share similar structural and sequence identity. Both enzymes use oxalate as substrate and manganese ions as cofactors. BioVision's oxalate oxidase is derived from *B. subtilis* oxalate decarboxylase by introducing three mutations: S161D, E162A and N163S in the active-site loop.