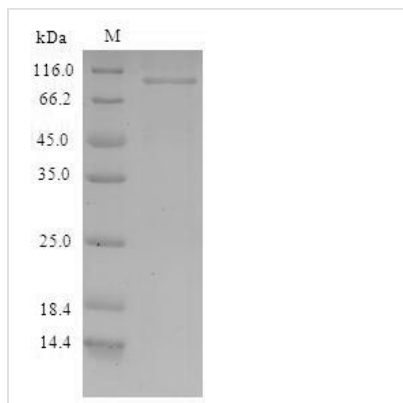




Recombinant *Paracoccus denitrificans* Nitrous-oxide reductase (nosZ)

Product Code	CSB-EP703536PBZ
Relevance	Nitrous-oxide reductase is part of a bacterial respiratory system which is activated under anaerobic conditions in the presence of nitrate or nitrous oxide.
Abbreviation	Recombinant <i>Paracoccus denitrificans</i> nosZ protein
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.
Uniprot No.	Q51705
Alias	N(2)OR N2O reductase
Product Type	Recombinant Protein
Immunogen Species	<i>Paracoccus denitrificans</i>
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	ASGDGSAVAPGQLDDYYGFWSSGQSGEMRILGIPSMRELMRVPVFNRCATG WGQTNESVRIHERTMSERTKKFLAANGKRIHDNGDLHHVHMSFTEGKYDGRF LFMNDKANTRVARVRCDVMKCDAILIIPNAKGIHGLRPQKWPRSNYVFCNGE DETPLVNDGTNMEDVANYVNVFTAVIDADKWEVAWQVLVSGNLDNCDADYEG KWAFFSTSYNSEKGMTLPMTAAEMDHIVVFNIAEIEKAIAAGDYQELNGVKVVD GRKEASSLFTRYIPIANPHGCNMAPDKKHLVAGKLSPTATVLDVTRFDVAVF YENADPRSAVVAEPELGLGPLHTAFDGRGNAYTSLFLDSQVVKWNIEDAIRAY AGEKVDPIKDKLDVHYQPGHLKTVMGETLDATNDWLVLCLSKFSKDRFLNVGPL KPENQQLIDISGDKMVLVHDGPTFAEPHDAIAVHPSILSDIKSVWDRNDPMWA ETRAQAEADGVDIDNWTEEVIRDG
Research Area	Others
Source	<i>E. coli</i>
Target Names	nosZ
Expression Region	58-553aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	71.1kDa
Protein Length	Full Length of Mature Protein
Image	



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

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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.