

Recombinant Escherichia coli Oxygen-insensitive NADPH nitroreductase(nfsA)

Catalog No: #AP72905

Orders: order@signalwayantibody.com

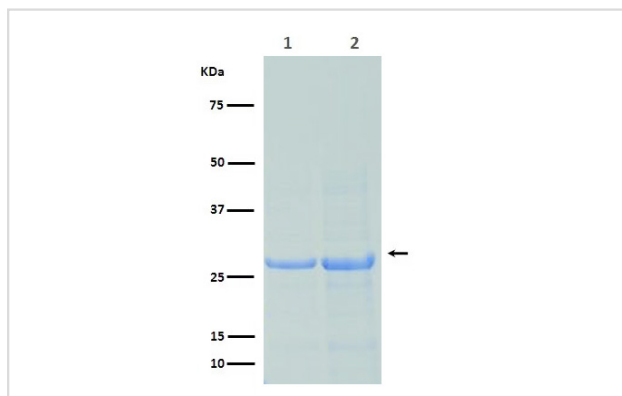
Package Size: #AP72905-1 20ug #AP72905-2 100ug #AP72905-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant Escherichia coli Oxygen-insensitive NADPH nitroreductase(nfsA)
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-240aaSequence Info:Full Length
Other Names	Modulator of drug activity A
Accession No.	P17117
Uniprot	P17117
GeneID	945483;
Calculated MW	28.8 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MTPTIELICGHRHSIRHFTDEPISEAQREAIINSARATSSSSFLQCSSIIIRITDKALREELVTLTGGQKHVAQAAEFW VFCADFNRLHQLICPDALGLAEQLLLGVVDTAMMAQNALIAESLGLGGVYIGGLRNIEAVTKLLKLPQHVLP LFGCLGWPADNPDLKPRLPASILVHENSYQPLDKGALAQYDEQLAEYYLTRGSNNRRDWTSDHIRRTIIKES RPFILDYHLKQGWATR
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.

Images



Greater than 90% as determined by SDS-PAGE.

Background

Reduction of nitroaromatic compounds using NADH. Reduces nitrofurazone by a ping-pong bi-bi mechanism possibly to generate a two-electron

transfer product. Major component of the oxygen-insensitive nitroreductase activity in E.coli.

References

Characterization of the gene rimK responsible for the addition of glutamic acid residues to the C-terminus of ribosomal protein S6 in Escherichia coli K12.Kang W.-K., Icho T., Isono S., Kitakawa M., Isono K.Mol. Gen. Genet. 217:281-288(1989)

Research Topic:Others

Note: This product is for in vitro research use only