

Recombinant Bacillus sp. Monomeric sarcosine oxidase(soxA)

Catalog No: #AP71050

Package Size: #AP71050-1 20ug #AP71050-2 100ug #AP71050-3 1mg

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Description

Product Name	Recombinant Bacillus sp. Monomeric sarcosine oxidase(soxA)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:1-387aaSequence Info:Full Length
Accession No.	P23342
Calculated MW	46.9 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	MSTHFDVIVVGAGSMGMAAGYYLAKQGVKTLVDSFDPPTNGSHHGDTRIIRHAYGEGREYVPFALRAQEL WYELEKETHHKIFTQTGVLVYGPKGGSAFVSETMEAANIHSLEHELFEGKQLTDRWAGVEVPDNYEAIPEPNS GVLFSENCIQAYRELAEAHGATVLTYPVEDFEVTEDLVTIKTAKGSYTANKLVVSMGAWNSKLLSKLDVEIPL QPYRQVVGFFECDEAKYSNNAHYPAFMVEVENGIYYGFPSFGGSGLKIGYHSYGGQIDPDTINREFGAYPED EANLRKFLEQYMPGANGELKKGAVCMYTKTPDEHFVIDLHPKYSNVAIAAGFSGHGFKFSSVVGETLAQLATT GKTEHDISIFSLNRDALKKEAVK
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.

Background

Catalyzes the oxidative deethylation of sarcosine.

References

Crystal structure of monomeric sarcosine oxidase from Bacillus sp. NS-129 reveals multiple conformations at the active-site loop.Nagata K., Sasaki H., Ohtsuka J., Hua M., Okai M., Kubota K., Kamo M., Ito K., Ichikawa T., Koyama Y., Tanokura M.Proc. Jpn. Acad. 81:220-224(2005)Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.