

Recombinant *Paenarthrobacter nicotinovorans* fumC Protein (T2-L388)

Cat. No. fumC-1558P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Paenarthrobacter nicotinovorans</i> GG-xdh(T2-L388 end) protein without tag was expressed in <i>E. coli</i>
Species	<i>Paenarthrobacter nicotinovorans</i>
Source	<i>E. coli</i>
ProteinLength	T2-L388
Description	Catalyzes the NADP(+)-dependent oxidation of D-xylose. Is able to use both NADP(+) and NAD(+); however, the enzyme shows a very strong preference for NADP(+). Is likely involved in the first step of the oxidative D-xylose degradation pathway.
Form	Liquid
Endotoxin	< 0.01 EU/μg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the

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protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
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Shipping	It is shipped out with blue ice.
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GENE INFORMATION

Official Symbol	fumC
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Synonyms	Fumarate hydratase class II; fumC; EC:4.2.1.2; Fumarase C ; Aerobic fumarase; Iron-independent fumarase
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UniProt ID	Q8GAK6
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