

Recombinant Schizosaccharomyces Pombe POS5 Protein (43-386 aa), His-SUMO-tagged

Cat. No. POS5-1775S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Schizosaccharomyces Pombe (strain 972/ATCC 24843) (Fission yeast) POS5 Protein (43-386 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length of Mature Protein.
Species	Schizosaccharomyces Pombe
Source	E.coli
ProteinLength	43-386 aa
Description	Phosphorylates both NADH and NAD ⁺ , with a preference for NADH. Anti-oxidant factor and key source of the cellular reductant NADPH (By similarity).
Form	Tris-based buffer, 50% glycerol
Molecular Mass	54.7 kDa
AA Sequence	NSVYSKSIRLVNTLENRIVPVYKECASPSIGGKSNLKQLQWP KPPKNILILKKRMDE RVDHCFETLVQHLQQTYPDICIITETDVAKKFSYLNLYTWTEISDLEQKVDAITVGGD GTILHAASLFARSGMPPILSFSGLTGLFLLPFDGFSFQTAFADFYNSRSFVLMRMRLR VAMKTKLYNESIYAMNEMHIHRGLSPHMAVLKVFNVDKFLTEAVADGLIISTPTGSTA YSLSSGGPIVHPSINALLLTPICPNLSFRPVLFPDTEFKISIETSNKSRVRPQLSIDGRP LGLTDIGQRIDITSVKDNAIPCIIRSHKEDDWVSDIVSLLRWNP FHRKGW

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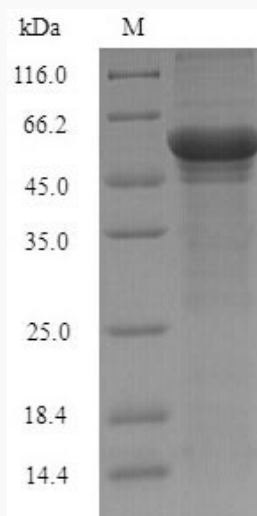
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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.
GENE INFORMATION	
Gene Name	pos5 putative NADH kinase Pos5 [<i>Schizosaccharomyces pombe</i> (fission yeast)]
Official Symbol	POS5
Synonyms	pos5;
Gene ID	2543173
mRNA Refseq	NM_001019792
Protein Refseq	NP_594371
UniProt ID	Q9UT98

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

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