



Recombinant *Ashbya gossypii* Saccharopine dehydrogenase [NAD (+), L-lysine-forming] (LYS1)

Product Code	CSB-YP765660DOT
Abbreviation	LYS1
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.	Q75BV4
Product Type	Recombinant Protein
Immunogen Species	<i>Ashbya gossypii</i> (strain ATCC 10895 / CBS 109.51 / FGSC 9923 / NRRL Y-1056) (Yeast) (<i>Eremothecium gossypii</i>)
Purity	>85% (SDS-PAGE)
Sequence	MSAILHLRAE TKPMEARAAL TPTTVRTLVS HGFKIYVEES AQSVFEAAEY AAAGAEVVAT GSWRGAPRER IIVGLKELPE EDTFPLEHTH IQFAHCYKNQ SGWREVLGRF QSGGGLLYDL EFLQDDRGRR VAAFQYYAGF AGAALGLRDW AWKQHTHDAE DLPVAVPYEN EQALVSEVAA ACEEAYKKGA RKPRVLVIGA LGRGSGAVE LLRQCGLHDK HIIRWDIAET ARGGPFPEIA AADIFINCIY LSQPIAPFIN MELLDRPDRK LRTIVDVSAD TTNPHNPVPV YNVATVFSSP TVVVPTSQGP KLSVISIDHL PSLLPREASE AFASDLLPSL LQLPERDTAP VWLRAKELFQ QHCERLSKEA RL
Source	Yeast
Target Names	LYS1
Protein Names	Recommended name: Saccharopine dehydrogenase [NAD(+), L-lysine-forming] Short name= SDH EC= 1.5.1.7 Alternative name(s): Lysine--2-oxoglutarate reductase
Expression Region	1-372
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
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.