



Recombinant *Oryza sativa* subsp. *japonica* Protein STAR1 (STAR1)

Product Code	CSB-YP610919OFG
Abbreviation	STAR1
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.	Q0D9V6
Product Type	Recombinant Protein
Immunogen Species	<i>Oryza sativa</i> subsp. <i>japonica</i> (Rice)
Purity	>85% (SDS-PAGE)
Sequence	MRRLGLSLHH DTSPSFAALA CNQRPPPNGT VHACSKSRPP QLEPGKVGKK PIKKTMRIAR IPTSIPPHLR LPLDLSAVSP MGSASEHDVR EHLLDVDGVG EEGAAAAAGP KIRVRGLTRR SEARGEIILR GVDLDVPRGV VVGVIKPSGS GKSTLLRALN RLWEPAPGAV LLDGVDICGI DVLALRRKVG MLFQLPAMFD GTVADNVRYG PQLQGKCLTD AEVQSLLSLA DLDPALCSKP ASELVGGAAQ RVALARTLAN DPEVLLLDEP TSALDPISTQ NIEEAIVRLK KTRGLTTVMV SHSVKQIQRI ADLVCLLVAG EVVEVLPPSE LSEAKHPMAR RFLELS
Source	Yeast
Target Names	STAR1
Protein Names	Recommended name: Protein STAR1 Alternative name(s): ABC transporter ABC1.12 Short name= OsABC12 ABC transporter I family member 12 Protein ALUMINUM SENSITIVE 1 Protein SENSITIVE TO ALUMINUM RHIZOTOXICITY 1
Expression Region	1-346
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.