Recombinant Saccharomyces Cerevisiae FLP1 Protein (1-423 aa), His-tagged

Cat. No. FLP1-2380S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Saccharomyces Cerevisiae (strain ATCC 204508/S288c) (Baker's yeast) FLP1 Protein (1-423 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length.
Species	S.cerevisiae
Source	E.coli
ProteinLength	1-423 aa
Description	Part of the plasmid amplification system, which corrects any decrease in copy number caused by a rare missegregation event. Catalyzes the recombination between the large inverted repetitions of the 2-micron plasmid during plasmid replication. This recombination event changes the direction of one of the two replication forks in the bidirectionally replicating molecule, effectively resulting in multiple rounds of replication from a single initiation event. Binds specifically to the FLP recognition target (FRT) site where it induces DNA to bend. Three types of bend exist. Type I is approximately 60 degrees and results from 1 FLP molecule binding to 1 symmetry element. Type II is >144 degrees and results from FLP molecules binding to symmetry elements a and b. Type III is approximately 65 degrees and results from FLP molecules binding to symmetry elements b and c.
Form	Tris-based buffer,50% glycerol

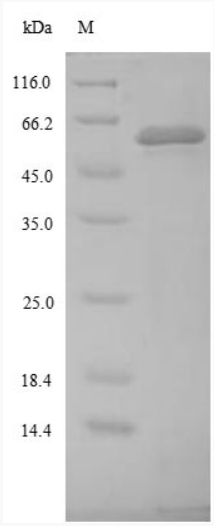
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Molecular Mass	54.1 kDa
AA Sequence	MPQFGILCKTPPKVLVRQFVERFERPSGEKIALCAAELTYLCWMITHNGTAIKRATFM SYNTIISNSLSFDIVNKSLQFKYKTQKATILEASLKKLIPAWEFTIIPYYGQKHQSDITDI VSSLQLQFESSEEADKGNSHSKKMLKALLSEGESIWEITEKILNSFEYTSRFTKTKTL YQFLFLATFINCGRFSDIKNVDPKSFKLVQNKYLGVIIQCLVTETKTSVSRHIYFFSAR GRIDPLVYLDEFLRNSEPVLKRVNRTGNSSSNKQEYQLLKDNLVRSYNKALKKNAPY SIFAIKNGPKSHIGRHLMTSFLSMKGLTELTNVVGNWSDKRASAVARTTYTHQITAIP DHYFALVSRYYAYDPISKEMIALKDETNPIEEWQHIEQLKGSAEGSIRYPAWNGIISQ EVLDYLSSYINRRI
Purity	> 85% 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 will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

Synonyms	FLP1;
UniProt ID	P03870

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

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