DNA protection during starvation protein (dps) Recombinant Protein | dps recombinant protein

Recombinant Helicobacter pylori DNA protection during starvation protein (dps)

CATALOG #	HOST
AAA115684	**E Coli or Yeast or Baculovirus or Mammalian Cell**

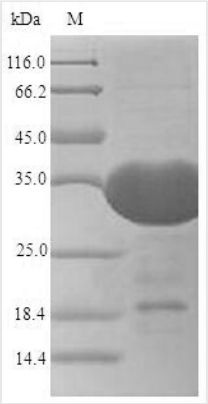
PRODUCT SYNONYMS

DNA protection during starvation protein (dps); Recombinant Helicobacter pylori DNA protection during starvation protein (dps); DNA protection during starvation protein; EC=1.16.-.-; Bacterioferritin; HP-NAP; Neutrophil-activating protein A; NAP A; dps recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-144. Full Length
Sequence	MKTFEILKHL QADAIVLFMK VHNFHWNVKG TDFFNVHKAT EEIYEEFADM FDDLAERIVQ LGHHPLVTLS EAIKLTRVKE ETKTSFHSKD IFKEILEDYK YLEKEFKELS NTAEKEGDKV TVTYADDQLA KLQKSIWMLQ AHLA
Species	Helicobacter pylori (strain 700392 / 26695) (Campylobacter pylori)
Production Note	**Special Offer:** The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our **or email to** for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for dps recombinant protein	Protects DNA from oxidative damage by sequestering intracellular Fe2+ ion and storing it in the form of Fe3+ oxyhydroxide mineral. One hydrogen peroxide oxidizes two Fe2+ ions, which prevents hydroxyl radical production by the Fenton reaction (By similarity). Required for the survival in the presence of oxidative stress. Dps is also a virulence factor that activates neutrophils, mast cells and monocytes. It binds to neutrophil-glycosphingolipids and to sulfated carbohydrates on mucin. It might have a role in the accumulation of neutrophils and monocytes at the site of infection. Induces superoxide anion generation, adhesion and chemotaxis of neutrophils, through a pertussis toxin-sensitive pathway involving MAP kinases.
Product Categories/Family for dps recombinant protein	Microbiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	15644871
NCBI GeneID	898765
NCBI Accession #	NP_207041.1
NCBI GenBank Nucleotide #	NC_000915.1
UniProt Accession #	P43313; Q64EY0; Q932V4; Q9F7B4; Q9F7B5; Q9F7B6; Q9F7B7; Q9F7B8; Q9F7B9; Q9K2M7; Q9K2U7; Q9KW50
Molecular Weight	32.9 kDa
NCBI Official Full Name	neutrophil activating protein NapA
NCBI Official Symbol	HP0243
NCBI Protein Information	neutrophil activating protein NapA
UniProt Protein Name	DNA protection during starvation protein
UniProt Gene Name	**dps**
UniProt Synonym Gene Names	napA; NAP A
UniProt Entry Name	DPS_HELPY

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/dps-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/115684