

Recombinant *E. coli* DppA

Catalog UCD001

Lot 004

product specification sheet: PS-D001

 ImmunoPrecise

products@immunoprecise.com

www.immunoprecise.com

Product description

Reference sequences:	NC_000913 NP_418001 Swiss-prot P23847
Alternative names:	Periplasmic dipeptide transport protein Periplasmic-binding component of ABC superfamily Dipeptide-binding protein DBP
Gene ID:	948062

Residues 21-535 of *E. coli* DppA were cloned, the protein was over-expressed in *E. coli* BL21 and was purified to homogeneity (figure 1). The calculated molecular weight of recombinant DppA is 58.4 kDa (including purification tag). The protein contains a C-terminal (his)₆ tag. Each vial contains 250 µg DppA at a concentration of 5.5 mg/ml.

Storage and stability

DppA should be stored at -80 °C (stable for at least 1 year). The buffer contains PBS without preservative. After thawing it should be stored in appropriate small aliquots at -20 °C or -80 °C (stable for at least 2 months).

Sequence

mgstvaasvqaktlvycsegspegfnpqlftsgttydassvplynrlvefkigttevipglaekwevsedgktytfhlrkgvk
whdnkefkptrelnaddvvsfdrqknaqnpqykhvsggsyeyfegmglpelisevkkvddntvqfvltrpeapfladla
mdfasilskeyadamkagtpeklDlnpigtgpfqlqqyqkdsrirykafdggywgtpkqidtlvftsitpdasvryaklqk
necqvmppypnpadiarmkqdkxinlmempglnvgylsynvqkkplddvkvrqaltyavnkdaikavyqgagvsak
nliptmwygynddvqdytydpekakallkeaglekgsidlwampvqrpynpnarrmaemiqadwkvvgvakiv
tyewgeylkrakdgehqtvmmgwtgdngdpdnffatlfcaaseqgsnyskwcypfedliqparatddhnkrvely
kqaqvvmhdqapaliiahstvfepvrkevkgvvdplgkhhfenvsieaaalehhhhh*
purification tag in red.

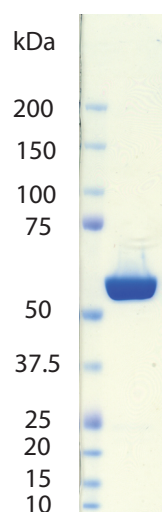


Figure 1. NuPage analysis of purified DppA-hisC

PRODUCT USE LIMITATIONS, WARRANTY, DISCLAIMER

ImmunoPrecise Antibodies Europe BV products contain chemicals which may be harmful if misused. Due care should be exercised with all ImmunoPrecise Antibodies Europe BV products to prevent direct human contact. All products are intended For Research Use Only and ARE NOT ALLOWED FOR USE IN HUMANS. Each ImmunoPrecise Antibodies Europe BV product is shipped with documentation stating specifications and other technical information. ImmunoPrecise Antibodies Europe BV products are warranted to meet or exceed the stated specifications. ImmunoPrecise Antibodies Europe BV's sole obligation and the customer's sole remedy is limited to replacement of products free of charge in the event products fail to perform as warranted. ImmunoPrecise Antibodies Europe BV makes no other warranty of any kind whatsoever, and SPECIFICALLY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES OF ANY KIND OR NATURE WHATSOEVER, DIRECTLY OR INDIRECTLY, EXPRESS OR IMPLIED, INCLUDING, WITHOUT LIMITATION, AS TO THE SUITABILITY, PRODUCTIVITY, DURABILITY, FITNESS FOR A PARTICULAR PURPOSE OR USE, MERCHANTABILITY, CONDITION, OR ANY OTHER MATTER WITH RESPECT TO ImmunoPrecise Antibodies Europe BV PRODUCTS. In no event shall ImmunoPrecise Antibodies Europe BV be liable for claims for any other damages, whether direct, incidental, foreseeable, consequential, or special (including but not limited to loss of use, revenue or profit), whether based upon warranty, contract, tort (including negligence) or strict liability arising in connection with the sale or the failure of ImmunoPrecise Antibodies Europe BV products to perform in accordance with the stated specifications.