

Recombinant *E. coli* DppA

Catalog D001

Lot 004

product specification sheet: PS-D001

U-Protein
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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

mgstvaasvqaktlvycsegspegfnpqlftsgttydassvplynrlvefkgigttevipglaekwevsedgktytfhlrkgvk
whdnkefkptrelnaddvvfsdrqknaqnpqykvsvsggsyeyfegmglpelisevkkvddntvqfvltrpeapfladla
mdfasilskeyadamkagtpeklDlnpigtgpfqlqqyqkdsrirykafdggywgtkppqidtlvfsitpdasvryaklqk
necqvmppypnpadiarmkqdkxinlmempglnvgylsynvqkkplddvkvqrqaltyavnkdaiikavyqgagvsak
nlipptmwygnddvqdytydpekakallkeaglekgfsidlwampvqrpynpnarrmaemiqadwkvvgvakiv
tyewgeylkrakdgehqtvmmgwtgdngdpdnffatlfscaseqgsnyskwcykpfedliqparatddhnkrvely
kqaqvvmhdqapaliiahstvfepvrkevkgvvdplgkhhfenvsieaaalehhhhh*

purification tag in red.

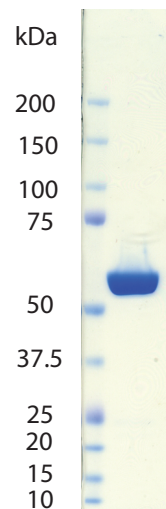


Figure 1. NuPage analysis of purified DppA-hisC

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