

# Recombinant Human Acyl-CoA-binding protein(DBI)

Catalog No: #AP70226

Package Size: #AP70226-1 20ug #AP70226-2 100ug #AP70226-3 1mg

## Description

|                       |                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | Recombinant Human Acyl-CoA-binding protein(DBI)                                                                                                                                                                                                                                                                                                                                                 |
| Host Species          | E.coli                                                                                                                                                                                                                                                                                                                                                                                          |
| Purification          | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                     |
| Immunogen Description | Expression Region:2-105aaSequence Info:Full Length                                                                                                                                                                                                                                                                                                                                              |
| Other Names           | Diazepam-binding inhibitor ;DBIEndozepine ;EP                                                                                                                                                                                                                                                                                                                                                   |
| Accession No.         | P07108                                                                                                                                                                                                                                                                                                                                                                                          |
| Calculated MW         | 13.9 kDa                                                                                                                                                                                                                                                                                                                                                                                        |
| Tag Info              | N-terminal 6xHis-tagged                                                                                                                                                                                                                                                                                                                                                                         |
| Target Sequence       | SQAEFEKAAEEVRHLKTKPSDEEMLFIYGHYKQATVGDINTERPGMLDFTGKAKWDANLKGTSKEDAMKAYINKVEELKKKYGI                                                                                                                                                                                                                                                                                                            |
| Formulation           | Tris-based buffer50% glycerol                                                                                                                                                                                                                                                                                                                                                                   |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |

## Background

Binds medium- and long-chain acyl-CoA esters with very high affinity and may function as an intracellular carrier of acyl-CoA esters. It is also able to displace diazepam from the benzodiazepine (BZD) recognition site located on the GABA type A receptor. It is therefore possible that this protein also acts as a neuropeptide to modulate the action of the GABA receptor.

## References

Cloning and expression of cDNA for human diazepam binding inhibitor, a natural ligand of an allosteric regulatory site of the gamma-aminobutyric acid type A receptor.Gray P.W., Glaister D., Seeburg P.H., Guidotti A., Costa E.Proc. Natl. Acad. Sci. U.S.A. 83:7547-7551(1986)Research  
Topic:Transport

Note: This product is for in vitro research use only and is not intended for use in humans or animals.