



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

PRODUCT INFORMATION

TEAD3 Cofactor-Binding Domain (human, recombinant)

Item No. 41075

Overview and Properties

Synonyms: DTEF-1, ETFR-1, Embryonic TEA Domain-containing Factor 1, TEF-5, TEA Domain-containing Factor 1, TEA Domain Family Member 3, TEA Domain Transcription Factor 3, Transcriptional Enhancer Factor 5

Source: Recombinant human N-terminal His-tagged TEAD3 cofactor-binding domain expressed in insect cells

Amino Acids: 216-435

Uniprot No.: Q99594

Molecular Weight: 28.5 kDa

Storage: -80°C (as supplied); avoid repeated freeze/thaw cycles

Stability: ≥1 year

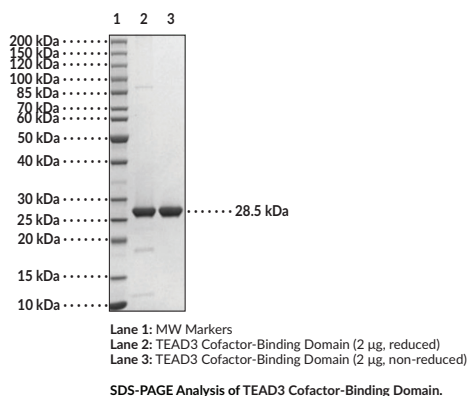
Supplied in: 50 mM Tris-HCl, pH 7.5, 200 mM sodium chloride, 20% glycerol, and 1 mM DTT

Protein Concentration: *batch specific* mg/ml

Special Conditions: Rapid thaw with running water.

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

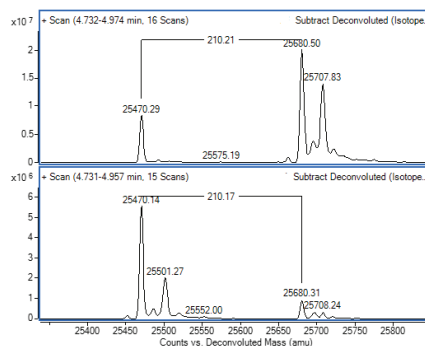
Images



SDS-PAGE Analysis of TEAD3 Cofactor-Binding Domain.

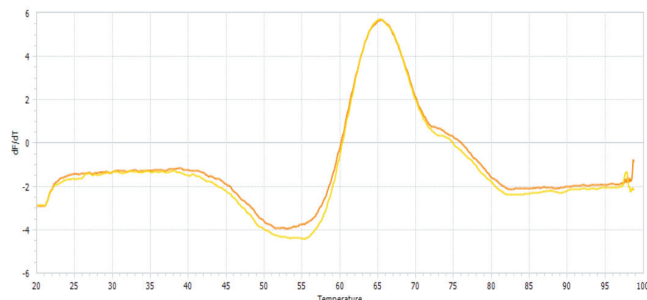
Before depalmitoylation

After depalmitoylation



TEAD3 Cofactor-Binding Domain (human, recombinant) depalmitoylation

Melting profile of TEAD3 Cofactor-Binding Domain



WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 09/10/2024

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM

PRODUCT INFORMATION



Description

TEA domain transcription factor 3 (TEAD3) is a transcription factor and member of the TEA domain-containing family of transcription factors.¹ It is composed of an N-terminal TEA DNA-binding domain, a hydrophobic proline-rich domain, and a C-terminal cofactor-binding domain (CBD), which binds tafazzin (TAZ) or YES-associated transcriptional regulator (YAP), or vestigial-like proteins (VGLLs), and is involved in TAZ-, YAP-, or VGLL-dependent transcription of genes in the Hippo signaling pathway, which regulates embryonic and organ development, proliferation, and cell death.^{1,2} TEAD3 associates with VGLL3 to regulate growth and differentiation in primary mouse myoblasts and primary mouse myotubes.³ The tertiary structure and function of TEAD3 require C-terminal palmitoylation at residue 371.⁴ Increased tumor levels of TEAD3 are associated with decreased survival time, increased liver metastases, and reduced time of disease-free survival in patients with pancreatic ductal adenocarcinoma (PDAC).⁵ Cayman's TEAD3 Cofactor-Binding Domain (human, recombinant) protein consists of 219 amino acids, has a calculated molecular weight of 28.5 kDa, and is depalmitoylated at cysteine 371.

References

1. Landin-Malt, A., Benhaddou, A., Zider, A., *et al.* An evolutionary, structural and functional overview of the mammalian TEAD1 and TEAD2 transcription factors. *Gene* **591**(1), 292-303 (2016).
2. Gibault, F., Sturbaut, M., Bailly, F., *et al.* Targeting transcriptional enhanced associate domains (TEADs). *J. Med. Chem.* **61**(12), 5057-5072 (2018).
3. Figeac, N., Mohamed, A.D., Sun, C., *et al.* VGLL3 operates via TEAD1, TEAD3 and TEAD4 to influence myogenesis in skeletal muscle. *J. Cell Sci.* **132**(13), jcs225946 (2019).
4. Noland, C.L., Gierke, S., Schnier, P.D., *et al.* Palmitoylation of TEAD transcription factors is required for their stability and function in Hippo pathway signaling. *Structure* **24**(1), 179-186 (2016).
5. Drexler, R., Fahy, R., Küchler, M., *et al.* Association of subcellular localization of TEAD transcription factors with outcome and progression in pancreatic ductal adenocarcinoma. *Pancreatology* **21**(1), 170-179 (2021).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM