



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) 

Datasheet

TP53 (Human) Recombinant Protein (P01)

Catalog Number: H00007157-P01

Regulation Status: For research use only (RUO)

Product Description: Human TP53 full-length ORF (NP_000537.2, 1 a.a. - 393 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPS
QAMDDLMLSPDDIEQWFTEDPGPDEAPRMPEAAPRV
APAAPAPTPAAPAPAPSWPLSSSVPSQKTYQGSYGFR
LGFLHSGTAKSVTCTYSPALNKMFCQLAKTCPVQLWV
DSTPPPGTRVRAMAIYKQSQHMTEVVRRCPPHHERCS
DSDGLAPPQHLIRVEGNLRVEYLDDRNTFRHSVVVPY
EPPEVGSDCCTTIHYNMCMSSCMGGMNRRPILTIITLE
DSSGNLLGRNSFEVRVCACPRDRRTEENLRKKGE
PHHELPPGSTKRALPNNNTSSSPQPKKKPLDGEYFTLQI
RGRERFEMFRELNEALELKDAQAGKEPGGSRAHSSH
LKSCKGQSTSRHKKLMFKTEGPDS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 68.86

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 7157

Gene Symbol: TP53

Gene Alias: FLJ92943, LFS1, TRP53, p53

Gene Summary: This gene encodes tumor protein p53, which responds to diverse cellular stresses to regulate target genes that induce cell cycle arrest, apoptosis, senescence, DNA repair, or changes in metabolism. p53 protein is expressed at low level in normal cells and at a high level in a variety of transformed cell lines, where it's believed to contribute to transformation and malignancy. p53 is a DNA-binding protein containing transcription activation, DNA-binding, and oligomerization domains. It is postulated to bind to a p53-binding site and activate expression of downstream genes that inhibit growth and/or invasion, and thus function as a tumor suppressor. Mutants of p53 that frequently occur in a number of different human cancers fail to bind the consensus DNA binding site, and hence cause the loss of tumor suppressor activity. Alterations of this gene occur not only as somatic mutations in human malignancies, but also as germline mutations in some cancer-prone families with Li-Fraumeni syndrome. Multiple p53 variants due to alternative promoters and multiple alternative splicing have been found. These variants encode distinct isoforms, which can regulate p53 transcriptional activity. [provided by RefSeq]