

Product datasheet for **LC436781**

p53 (TP53) (NM_001276697) Human Over-expression Lysate

Product data:

Product Type:	Over-expression Lysates
Description:	Transient overexpression lysate of tumor protein p53 (TP53), transcript variant 5
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	TrueORF Clone RC236781
Tag:	C-MYC/DDK
ACCN:	<u>NM_001276697</u> , <u>NP_001263626</u>
Synonyms:	BCC7; BMFS5; LFS1; P53; TRP53
Predicted MW:	27 kDa
Components:	1 vial of 20 µg gene specific transient over-expression cell lysate
Storage:	The lysate can be shipped at ambient temperature. Upon receiving, store the sample at -20°C. Lysate samples can be reconstituted with SDS Sample Buffer. Avoid repeated freeze-thaw cycles after reconstitution. Lysate samples are stable for 12 months from date of receipt when stored at -20°C.
Preparation:	HEK293T cells in 10-cm dishes were transiently transfected with PEI and 5µg TrueORF cDNA plasmid. Transfected cells were cultured for 72hrs before collection. The cells were lysed in modified RIPA buffer (25mM Tris-HCl pH7.6, 150mM NaCl, 1% NP-40, 1mM EDTA, 1xProteinase inhibitor cocktail mix (Sigma), 1mM PMSF and 1mM Na3VO4), and then centrifuged to clarify the lysate. Protein concentration was measured by BCA kit (Thermo Scientific Inc.).
RefSeq:	<u>NP_001263626</u>
Locus ID:	7157
Cytogenetics:	17p13.1
Protein Families:	WB



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Protein Pathways:

Amyotrophic lateral sclerosis (ALS), Apoptosis, Basal cell carcinoma, Bladder cancer, Cell cycle, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, Glioma, Huntington's disease, MAPK signaling pathway, Melanoma, Neurotrophin signaling pathway, Non-small cell lung cancer, p53 signaling pathway, Pancreatic cancer, Pathways in cancer, Prostate cancer, Small cell lung cancer, Thyroid cancer, Wnt signaling pathway

Product images:

Western blot validation of overexpression lysate (Cat# [LY436781]) using anti-DDK antibody (Cat# [TA592569]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC236781] using transfection reagent PEI.