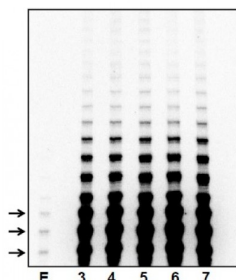


HEK-293T Telomerase Over-Expressing Cell Pellet

Catalogue No.: abx069991



HEK-293T telomerase over-expressing cell pellets express ~400-fold greater telomerase activity over endogenous levels. These HEK-293T cells have been transiently transfected with plasmid DNA encoding hTERT, hTR, and dyskerin, leading to ~400-fold higher enzymatic activity. In this figure, cell aliquots were removed over time for analysis of their telomerase activity using a direct activity assay. Lane E: untransfected, endogenous activity – arrows indicate the first three telomeric repeats. Lanes 3 - 7: activity at days 3 – 7 post-transfection. For more information please see the 2017 *METHODS* publication, <http://www.sciencedirect.com/science/article/pii/S1046202316302481>. Simply over-expressing just the hTERT protein does not lead to significant increase in telomerase activity because hTR becomes limiting (it might result in 3-5 fold more activity at best). Our product is superior because the cells over-express all three required components of the enzyme complex: hTERT, hTR, and dyskerin. This is the only way to obtain the several-hundred fold increase in enzymatic activity.

These over-expressing cell pellets allow reliable detection of hTERT protein by Western blotting.

Each pellet is sufficient for ~20-50 direct telomerase activity assays, as described in: <http://www.sciencedirect.com/science/article/pii/S1046202316302481>.

HEK-293T Telomerase Over-Expressing Cell Pellets are non-sterile pellets for greatly enhanced levels of telomerase activity and purification of active enzyme. Each pellet contains 10⁶ telomerase over-expressing HEK-293T cells. These telomerase over-expressing cell pellets can be used in conjunction with hTERT Antibody [abx120550](#) and hTERT Peptide [abx069990](#).

Target: HEK-293T Telomerase Over-Expressing Cell Pellets

Purification: This product is non-sterile.

Form: Solid

Conjugation: Unconjugated

Storage: Store at -80 °C. Avoid repeated freeze/thaw cycles.

Swiss Prot: [O14746](#) [Q8N6C3](#) [Q8NG46](#)

GeneID: [7015](#)

Gene Symbol: TERT

Buffer: Not applicable.

Note: HEK-293T Telomerase Over –Expressing Cell Pellets “Licensed Products” may be subject of proprietary know how and one or more pending or granted patent applications, and are provided under license to Abbexa Ltd. The purchaser of Licensed Products is granted a non-exclusive, limited right to use the Licensed Products only for research purposes. Such license specifically excludes (i) the right to sell or otherwise transfer Licensed Products to third parties; (ii) use of Licensed Products for any diagnostic or therapeutic purpose; (iii) any use other than use in non-human animals or in vitro experiments. No right or license to perform commercial services of any kind using the Licensed Products, including without limitation reporting the results of recipient's activities for a fee or other commercial consideration, is hereby conveyed by the purchase of Licensed Products expressly, or by implication. Any use of Licensed Products other than for research purposes may require a licence. Please contact us for details.

This product is shipped with dry ice.