

# Transient receptor potential ankyrin 1 (TRPA1)-GFP HeLa cell line

**Catalogue number:** 158381

**Sub-type:**

**Images:**

## Contributor

**Inventor:** Peter Bradding ; Harvinder Virk

**Institute:** University of Leicester

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Transient receptor potential ankyrin 1 (TRPA1)-GFP HeLa cell line

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** The transient receptor potential cation channel family member ankyrin 1 (TRPA1) is an ion channel with high Ca<sup>2+</sup> permeability that is activated by numerous noxious stimuli and by multiple products of oxidative stress. TRPA1 is a drug target with antagonists in phase I and II clinical trials. It is considered a potential target in multiple pain conditions including neuropathic, inflammatory and migraine pain, in addition to cough sensitivity, airway inflammation and fibrosis. This HeLa cell line is stably transfected with a dual-gene promoter (pCDH-CMV-MCS-EF1-copGFP) to express both GFP and hTRPA1. Forward TRPA1 Xba1 gggctctagaATGAAGCGCAGCCTGAGGAAG Reverse TRPA1 NotI ggggcgccgcttaAGGCTCAAGATGGTGTGTTTTGCC

**Purpose:**

**Parental cell:** HeLa

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**  
**Growth properties:**  
**Production details:**  
**Formulation:**  
**Recommended controls:**  
**Bacterial resistance:**  
**Selectable markers:**  
**Additional notes:**

## Target details

**Target:** human Transient receptor potential cation channel family member ankyrin 1 (hTRPA1)

**Target alternate names:**

**Target background:**

**Molecular weight:**

**Ic50:**

## Applications

**Application:**  
**Application notes:**

## Handling

**Format:** Frozen  
**Concentration:**  
**Passage number:**  
**Growth medium:**  
**Temperature:**  
**Atmosphere:**  
**Volume:**  
**Storage medium:**  
**Storage buffer:**  
**Storage conditions:**  
**Shipping conditions:** Dry ice

## Related tools

**Related tools:** Transient receptor potential cation channel superfamily M member 2 (TRPM2)-GFP  
HeLa cell line ; HeLa pCDH-CMV-MCS-EF1-copGFP Control Cell Line

## References

**References:** Chan et al. 2018. J Med Chem. 61(2):504-513. PMID: 28595007.

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