

## myProbes Passport (RUO Probes)

<b>MPD6330</b>	<b>PAX7/PAX3/FOXO1 Probe</b> <i>For Research Use Only</i>
----------------	--

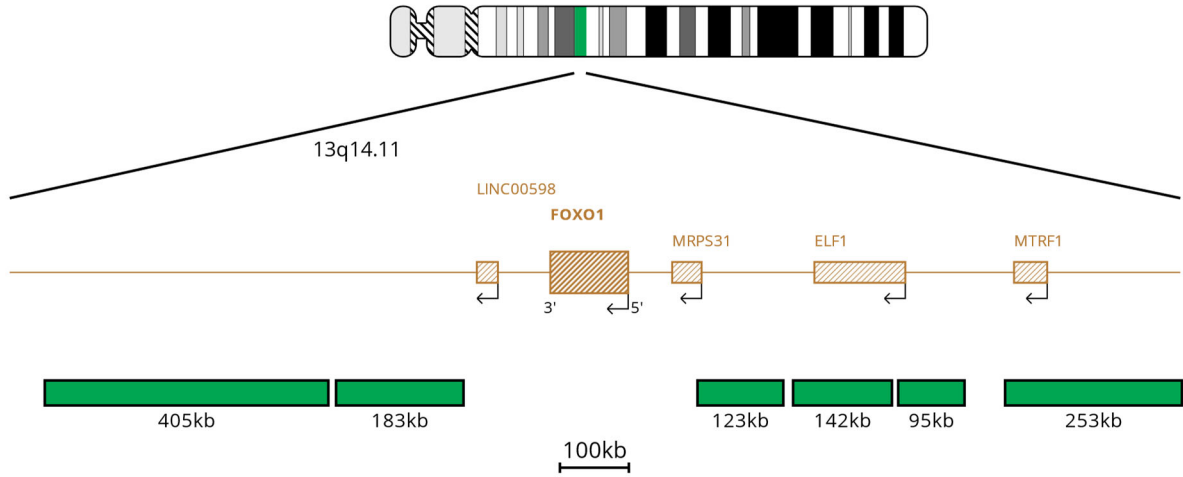
**Nucleotide Locations** (If requesting more than one probe please specify individual probe colours)

	<b>Chromosome Locus</b>	<b>Start</b>	<b>End</b>	<b>Colour</b>
1	1p36.13	18624373	18733038	Aqua
2	1p36.13	18709209	18857893	Aqua
3	1p36.13	18824528	18956287	Aqua
4	1p36.13	18952598	19086899	Aqua
5	1p36.13	19425710	19590790	Aqua
6	1p36.13	19244987	19467922	Aqua
7	2q36.1	222622739	222772576	Orange
8	2q36.1	222784836	222908698	Orange
9	2q36.1	222945074	223084303	Orange
10	2q36.1	223099306	223243644	Orange
11	2q36.1	223313917	223482003	Orange
12	2q36.1	223179937	223352361	Orange
13	13q14.11	40409578	40599144	Green
14	13q14.11	40548366	40693861	Green
15	13q14.11	40666182	40814370	Green
16	13q14.11	40824528	41007744	Green
17	13q14.11	41339481	41462395	Green
18	13q14.11	41475708	41617615	Green
19	13q14.11	41625442	41720614	Green
20	13q14.11	41777776	41875678	Green
21	13q14.11	41852188	42030365	Green

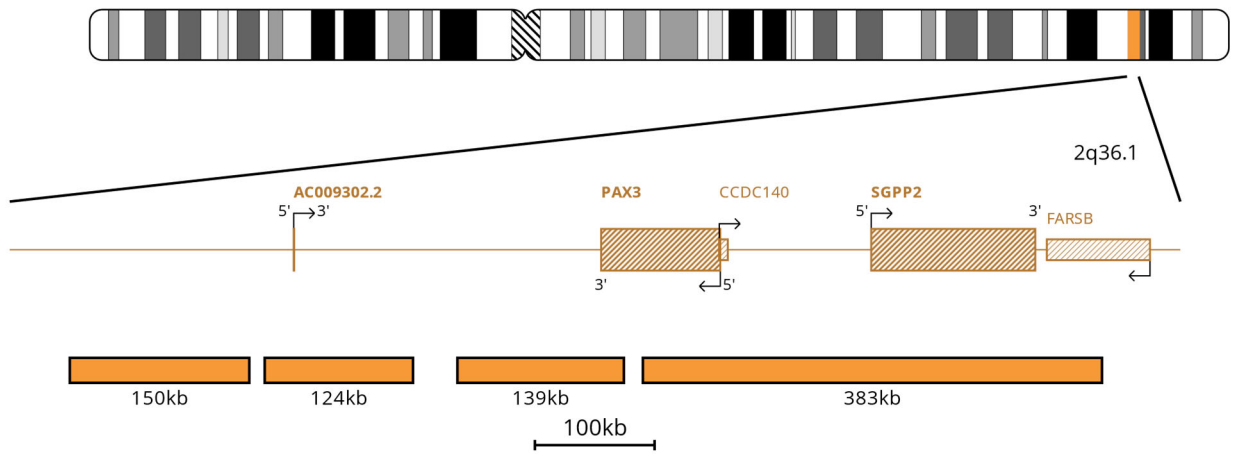
Database Used and Version

GRCh37 (hg19)

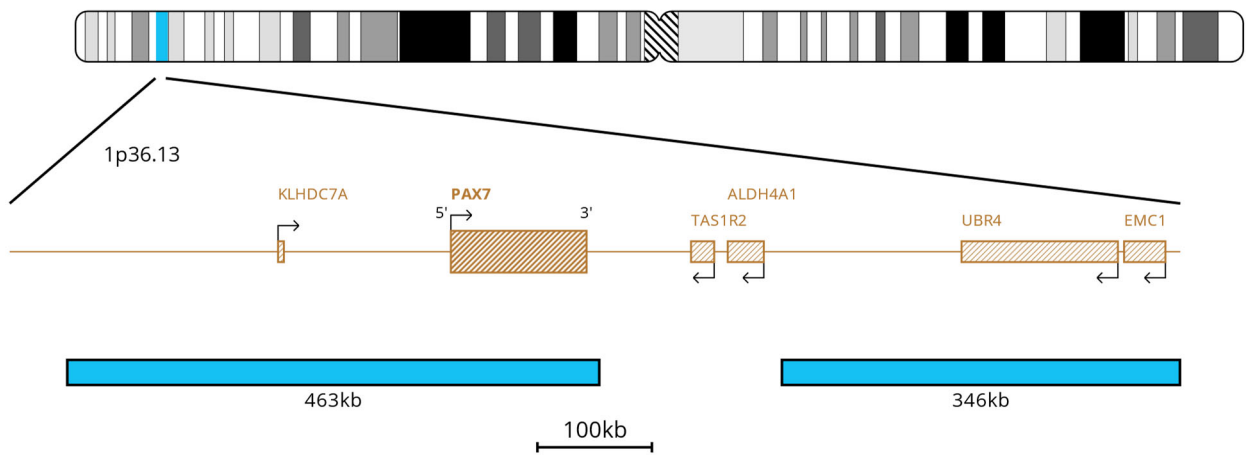
### Probe Map



MPD6330 v001



MPD6330 v001



MPD6330 v001

## Materials Provided

1. **Probe:** 100µl per vial  
The probe is provided pre-mixed in hybridisation solution (Formamide; Dextran Sulphate; SSC) and is ready to use. It is directly labelled with a blue fluorophore, which lies in the Aqua Spectrum, a green fluorophore, which lies in the FITC Spectrum and an orange fluorophore, which lies in the Orange Spectrum. The probe has been batch released after QC testing on Formalin Fixed Paraffin Embedded Sample and Bone Marrow Sample.
2. **Counterstain:** 150µl per vial. The counterstain is DAPI antifade (ES: 0.125µg/ml DAPI (4,6-diamidino-2-phenylindole)).

## Warnings and Precautions

1. For research use only. Not for use in diagnostic procedures.
2. For laboratory professional use only.
3. Probe mixtures contain formamide, which is a teratogen; do not breathe fumes or allow skin contact. Handle with care; wear gloves and a lab coat.
4. DAPI is a potential carcinogen. Handle with care; wear gloves and a lab coat.
5. Follow local disposal regulations for your location along with recommendations in the Safety Data Sheet to determine the safe disposal of this product. This also applies to damaged test kit contents.
6. Dispose of all used reagents and any other contaminated disposable materials following procedures for infectious or potentially infectious waste. It is the responsibility of each laboratory to handle solid and liquid waste according to their nature and degree of hazardousness and to treat and dispose of them (or have them treated and disposed of) in accordance with any applicable regulations.
7. Operators must be capable of distinguishing the colours red, blue, and green.
8. The probe should not be diluted or mixed with other probes.
9. All products should be validated before use.
10. Internal controls should be carried out by using unaffected cell populations in testing samples.
11. Custom probes are specifically developed for individual customers' RESEARCH USE ONLY (RUO) requirements and not with the intention of being used for in vitro diagnostic examination. Therefore, prior to any use of these probes, users should review the design of such probes to confirm they are suitable for their requirements.

## Storage and Handling

1. Store the probe between -25°C to -15°C.
2. Based on the stability established for other substantially equivalent CytoCell probes, this myProbes product should be stable for 2 years post manufacture date when stored as indicated on the label.
3. Store the probe and counterstain vials in the dark. Ensure that exposure of the probe and counterstain to laboratory lights is limited at all times.

## Known Cross-Reactivity

No cross hybridisation observed at QC release on the sample type specified.

## Customer Support

Please contact the CytoCell Technical Support Department or email [probes@cytoCELL.com](mailto:probes@cytoCELL.com).



A Sysmex Group Company

## Patents and Trademarks

myProbes and CytoCell are registered trademarks of CytoCell Ltd.  
For Research Use Only. Not for use in diagnostic procedures.

### **CytoCell Ltd.**

Oxford Gene Technology  
418 Cambridge Science Park,  
Milton Road,  
Cambridge, CB4 0PZ, UK  
T: +44(0)1223 294048  
F: +44(0)1223 294986  
E: [probes@cytoCell.com](mailto:probes@cytoCell.com)  
W: [www.ogt.com](http://www.ogt.com)

