



# Human genomic control DNA

Mutation in  $\alpha$ -globin gene ( $\alpha$ -thalassemia)

## CERTIFICATE OF ANALYSIS

### Product Information

|                     |  |
|---------------------|--|
| Product name :      | Normal Control DNA for $\alpha$ -Thalassemia                       |
| Cat. No. :          | K5412  |
| Concentration:      | 300 ng/ $\mu$ l  |
| Storage condition : | -20°C  |
| Mutation type:      | $\alpha^{IVSI+1 \text{ del } -5nt (-TGAGG)} \alpha / \alpha\alpha$ |

### QC Results

| Test Items       | Specifications                 | Results |
|------------------|--------------------------------|---------|
| Absorbance ratio | A260/A280>1.8<br>A260/A230>2.0 | Passed  |
| Electrophoresis  | Average size larger than 50 kb | Passed  |
| Sequencing       | No other mutation in the gene  | passed  |
| Enzyme activity  | <i>Eco</i> RI digestion        | passed  |

### Caution:

This product is pure human genomic DNA, and must be kept away from PCR products to avoid contamination

Sequencing result :

