

## Product datasheet for **SC330322**

### Transglutaminase 6 (TGM6) (NM\_001254734) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Transglutaminase 6 (TGM6) (NM_001254734) Human Untagged Clone
Tag:	Tag Free
Symbol:	Transglutaminase 6
Synonyms:	dj734P14.3; SCA35; TG6; TGM3L; TGY
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC330322 representing NM_001254734. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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CTCAGTCCAGTTGA

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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001254734
<b>Insert Size:</b>	1878 bp
<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001254734.1</a>
<b>RefSeq Size:</b>	2158 bp
<b>RefSeq ORF:</b>	1878 bp
<b>Locus ID:</b>	343641
<b>UniProt ID:</b>	<a href="#">O95932</a>
<b>Cytogenetics:</b>	20p13
<b>Protein Families:</b>	Druggable Genome
<b>MW:</b>	70.5 kDa
<b>Gene Summary:</b>	<p>The protein encoded by this gene belongs to the transglutaminase superfamily. It catalyzes the cross-linking of proteins and the conjugation of polyamines to proteins. Mutations in this gene are associated with spinocerebellar ataxia type 35 (SCA35). Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (2) lacks a coding exon in the 3' region compared to variant 1. This results in a frame-shift, and a shorter isoform (2) with a distinct C-terminus compared to isoform 1.</p>