

## Product datasheet for **TP720549XL**

### **ID12 (NM\_033261) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human isopentenyl-diphosphate delta isomerase 2 (ID12)
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	Met1-Val227
<b>Tag:</b>	N-His
<b>Predicted MW:</b>	28.9 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>95% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
<b>Endotoxin:</b>	< 0.1 EU per µg protein as determined by LAL test
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for at least 3 months from date of receipt under proper storage and handling conditions.
<b>RefSeq:</b>	<a href="#">NP_150286</a>
<b>Locus ID:</b>	91734
<b>UniProt ID:</b>	<a href="#">Q9BXS1</a>
<b>Cytogenetics:</b>	10p15.3
<b>Synonyms:</b>	IPPI2
<b>Summary:</b>	The protein encoded by this gene catalyzes the conversion of isopentenyl diphosphate to dimethylallyl diphosphate, which is a precursor for the synthesis of cholesterol and other isoprenoids. This gene, which is a product of an ancestral gene duplication event, encodes a protein that may be involved in the aggregation of alpha-synuclein in the cerebral cortex of patients with Lewy body disease. In addition, segmental copy number gains in this locus have been associated with sporadic amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2016]
<b>Protein Pathways:</b>	Metabolic pathways, Terpenoid backbone biosynthesis



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**Product images:**

