

Product datasheet for **TP762243**

TRPC5 (NM_012471) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human transient receptor potential cation channel, subfamily C, member 5 (TRPC5), Pro812-His927, with N-terminal His-ABP tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Pro812-His927) of TRPC5
Tag:	N-His-ABP (Albumin-Binding Protein)
Predicted MW:	28.0 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_036603
Locus ID:	7224
UniProt ID:	Q9UL62
RefSeq Size:	5839
Cytogenetics:	Xq23
RefSeq ORF:	2919
Synonyms:	PPP1R159; TRP5



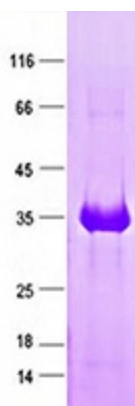
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Summary:

This gene belongs to the transient receptor family. It encodes one of the seven mammalian TRPC (transient receptor potential channel) proteins. The encoded protein is a multi-pass membrane protein and is thought to form a receptor-activated non-selective calcium permeant cation channel. The protein is active alone or as a heteromultimeric assembly with TRPC1, TRPC3, and TRPC4. It also interacts with multiple proteins including calmodulin, CABP1, enkurin, Na(+)-H+ exchange regulatory factor (NHERF), interferon-induced GTP-binding protein (MX1), ring finger protein 24 (RNF24), and SEC14 domain and spectrin repeat-containing protein 1 (SESTD1). [provided by RefSeq, May 2010]

Protein Families:

Druggable Genome, Ion Channels: Transient receptor potential, Transmembrane

Product images:

Purified recombinant protein TRPC5 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.