

Product datasheet for **TP762444**

ADCY3 (NM_004036) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human adenylate cyclase 3 (ADCY3), Tyr854-End, with N-terminal His tag, expressed in E.coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Tyr854-End) of ADCY3
Tag:	N-His
Predicted MW:	33.3 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 after receiving vials.
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_004027
Locus ID:	109
UniProt ID:	O60266
RefSeq Size:	4410
Cytogenetics:	2p23.3
RefSeq ORF:	3432
Synonyms:	AC-III; AC3; BMIQ19



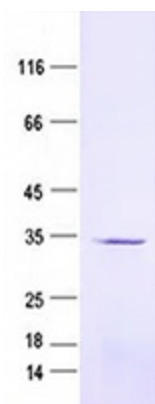
[View online »](#)

Summary: This gene encodes adenylyl cyclase 3 which is a membrane-associated enzyme and catalyzes the formation of the secondary messenger cyclic adenosine monophosphate (cAMP). This protein appears to be widely expressed in various human tissues and may be involved in a number of physiological and pathophysiological metabolic processes. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Calcium signaling pathway, Chemokine signaling pathway, Dilated cardiomyopathy, Gap junction, GnRH signaling pathway, Melanogenesis, Olfactory transduction, Oocyte meiosis, Progesterone-mediated oocyte maturation, Purine metabolism, Vascular smooth muscle contraction, Vibrio cholerae infection

Product images:



Purified recombinant protein ADCY3 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.