

Product datasheet for **TP762261**

KCNH2 (NM_000238) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human potassium voltage-gated channel, subfamily H (eag-related), member 2 (KCNH2), transcript variant 1, Met1-Pro298, 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(Met1-Pro298) of KCNH2
Tag:	N-His
Predicted MW:	31.7 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_000229
Locus ID:	3757
UniProt ID:	Q12809 , A0A090N8Q0 , Q15BH2
RefSeq Size:	3900
Cytogenetics:	7q36.1
RefSeq ORF:	3477
Synonyms:	ERG-1; ERG1; H-ERG; HERG; HERG1; Kv11.1; LQT2; SQT1



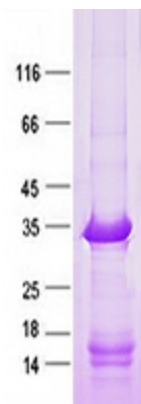
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Summary:

This gene encodes a voltage-activated potassium channel belonging to the eag family. It shares sequence similarity with the *Drosophila* ether-a-go-go (*eag*) gene. Mutations in this gene can cause long QT syndrome type 2 (LQT2). Transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Protein Families:

Druggable Genome, Ion Channels: Potassium, Transcription Factors, Transmembrane

Product images:

Purified recombinant protein KCN H2 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.