

Recombinant Human RAPGEF6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. RAPGEF6-5811H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RAPGEF6 MS Standard C13 and N15-labeled recombinant protein (NP_057424) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	RAPGEF6 (Rap Guanine Nucleotide Exchange Factor 6) is a Protein Coding gene. Diseases associated with RAPGEF6 include Schizoid Personality Disorder and Band Heterotopia. Among its related pathways are Ras signaling pathway and Tight junction. Gene Ontology (GO) annotations related to this gene include guanyl-nucleotide exchange factor activity and GTP-dependent protein binding. An important paralog of this gene is ENSG00000273217.
Molecular Mass	179.2 kDa
AA Sequence	MNSPVDPGARQALRKKPPERTPEDLNTIYSYLHGMEILSNLREHQLRLMSARARYE RYSGNQVLCSETIARCWYILLSGSVLVKGSMLVPPCSFGKQFGGKRGCDCLVLEP SEMIVVENAKDNEDSILQREIPARQSRRRFRKINYKGERQTITDDVEVNSYLSLPADL TKMHLTENPHPQVTHVSSSQSGCSIASDSGSSSLSDIYQATESEVGDVLDLTRLPEGP VDSDDDEEEDEEIDRTDPLQGRDLVRECLEKEPADKTDDDIEQLLEFMHQLPAFAN MTMSVRRELCSVMIFEVVEQAGAILEDGQELDSWYVILNGTVEISHPDGKVENLFM GNSFGITPTLDKQYMHGIVRTKVDDCQFVCIAQQDYWRILNHVEKNTHKVEEEGEIV

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MVHEHRELDMSGTRKGHIVIKATPERLIMHLIEEHSIVDPTYIEDFLLTYRTFLESPLDV
 GIKLLEWFKIDSLRDKVTRIVLLWVNNHFNDFEGDPAMTRFLEEFKNELEDTKMNGH
 LRLNIAACAAKAKWRQVVLQKASRESPLQFSLNGGSEKGFIFVEGVEPGSKAADS
 GLKRGDQIMEVNGQNFENITFMKAVEILRNNTHLALTVKTNIFVFKELLFRTEQEKS
 VPHIPKIAEKKSNRHSIQHVPDIEQTSQEKGSKKVKANTVSGGRNKIRKILDKTRFSI
 LPPKLFSDGGLSQSQDDSIIVGTRHCRHSLAIMPIPGTLSSSSPDLLQPTTSMDFSNP
 SDIPDQVIRVFKVDQQSCYIIISKDTTAKEVVFHAVHEFGLTGASDTYSLCEVSVTPEG
 VIKQRRLPDQFSKLADRIQLNGRYYLKNNMETETLCSDEDAQELVKESQLSMLQLST
 IEVATQLSMRDFDLFRNIEPTEYIDDLFKLNSKTGNTHLKRFEIVNQETFWVASEILT
 EANQLKRMKIIKHFIKIALHCRECKNFNSMFAISGLNLASVARLRGTWEKLPSKYEKH
 LQDLQDIFDPSRNMAYRNILSSQSMQPPPIPLFPVVKKDMTFLHEGNDSKVDGLVN
 FEKLRMISKEIRQVVRMTSANMDPAMMFRQRSLSQGSTNSNMLDVQGGAHKKRAR
 RSSLLNAKKLYEDAQMARKVKQYLSSLDVETDEEKFMMSLQWEPAYGTLTKNLSE
 KRSKSSSEMSPVPMRSAGQTTKAHLHQPHRVSQVLQVPAVNLHPIRKKGQTKDPAL
 NTSLPQKVLGTTEEISGKKHTEDTISVASSLHSSPPASPQGSPPHKGTYLIPSAKSDNL
 SDSSHSEISSRSSIVSNCSVDSMSAALQDERCSSQALAVPESTGALEKTEHASGIGD
 HSQHGPWTLLKPSLIKCLAVSSSVSNEEISQEHIIIEAADSGRGSWTSCSSSSHDNF
 QSLPNPKSWDFLNSYRHTHLDDPIAEVEPTDSEPYSCSKSCSRTCQCKGSLERKS
 WTSSSSLSDTYEPNYGTVKQRVLESTPAESSEGLDPKDATDPVYKTVTSSTEKGLIV
 YCVTSPKKDDRYREPPPTPPGYLGISLADLKEGPHHLKPPDYSAVQVRSKMMHNS
 LSRLPPASLSSNLVACVPSKIVTQPQRHNLQPFHPKLGDVTDADSEADENEQVSAVT
 RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

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Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [RAPGEF6 Rap guanine nucleotide exchange factor 6 \[Homo sapiens \(human\) \]](#)

Official Symbol [RAPGEF6](#)

Synonyms

RAPGEF6; Rap guanine nucleotide exchange factor (GEF) 6; PDZ domain containing guanine nucleotide exchange factor (GEF) 2, PDZGEF2; rap guanine nucleotide exchange factor 6; PDZ GEF2; RA GEF 2; PDZ domain-containing guanine nucleotide exchange factor 2; PDZ domain-containing guanine nucleotide exchange factor I; PDZ domain containing guanine nucleotide exchange factor (GEF) 2; RAGEF2; PDZGEF2; KIA001LB; PDZ-GEF2; RA-GEF-2; DKFZp667N084; DKFZp686I15116;

Gene ID [51735](#)

mRNA Refseq [NM_016340](#)

Protein Refseq [NP_057424](#)

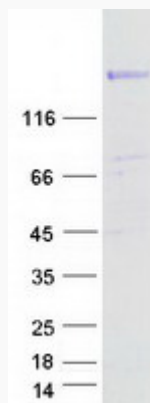
MIM [610499](#)

UniProt ID [Q8TEU7](#)

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SDS-PAGE

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