

Recombinant Human LRRC8C Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LRRC8C-2672H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LRRC8C MS Standard C13 and N15-labeled recombinant protein (NP_115646) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Non-essential component of the volume-regulated anion channel (VRAC, also named VSOAC channel), an anion channel required to maintain a constant cell volume in response to extracellular or intracellular osmotic changes. The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine. Plays a redundant role in the efflux of amino acids, such as aspartate and glutamate, in response to osmotic stress. Channel activity requires LRRC8A plus at least one other family member (LRRC8B, LRRC8C, LRRC8D or LRRC8E); channel characteristics depend on the precise subunit composition.
Molecular Mass	92.4 kDa
AA Sequence	MIPVTEFRQFSEQQPAFRVLKPWWVDVFTDYLVSAMLMIGVFGCTLQVMQDKIICLPK RVQPAQNHSSLSNVSQAVASTTLPPLPKPSPANPITVEMKGLKTDLDLQQYSFINQM CYERALHWYAKYFPYLVLIHTLVFMLCSNFWFKFPGSSSKIEHFISILGKCFDSPWTT RALSEVSGEDSEEKDNRKNNMNRSENTIQSGPEGSLVNSQSLKSIPEKFVVDKSTAG ALDKKEGEQAKALFEKVKKFRLHVEEGDILYAMYVRQTVLKVIFLIIAYNSALVSKV

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QFTVDCNVDIQDMTGYKNFSCNHTMAHLFSKLSFCYLCFVSIYGLTCLYTLYWLFYR
 SLREYSFEYVRQETGIDDIPDVKNDFAFMLHMIDQYDPLYSKRFAVFLSEVSENKLG
 QLNLNNEWTPDKLRQKLQTNNAHNRLELPLIMLSGLPDTVFEITELQSLKLEIKNVMIP
 ATIAQLDNLQELSLHQCSVKIHSAAALSFLKENLKVLSVKFDDMRELPPWMYGLRNLE
 ELYLVGSLSHDISRNVLTLESRLDLKSLKILSIKSNVSKIPQAVVDVSSHLQKMCIHNDG
 TKLVMLNNLKKMTNLTELELVHCDLERIPHAVFSLLSLQELDLKENNLKSIEEIVSFQH
 LRKLTVLKLWHNSITYIPEHIKKLTSLERLSFSHNKIEVLPSHLFLCNKIRYLDLSYNDIR
 FIPPEIGVLQSLQYFSITCNKVESLPDELYFCKKLKTLKIGKNSLSVLSPKIGNLLFLSYL
 DVKGNHFEILPPELGDCRALKRAGLVVEDALFETLPDVRQMKTTETRTTRPLEQKLI
 SEEDLAANDILDYKDDDDKV

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.

Concentration 50 µg/mL as determined by BCA

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

GENE INFORMATION

Gene Name **LRRC8C leucine rich repeat containing 8 VRAC subunit C [Homo sapiens (human)]**

Official Symbol **LRRC8C**

Synonyms LRRC8C; leucine rich repeat containing 8 family, member C; AD158; FAD158; volume-regulated anion channel subunit LRRC8C; factor for adipocyte differentiation 158; hypothetical protein AD158; leucine rich repeat containing 8 family member C;

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leucine rich repeat containing 8C; leucine-rich repeat-containing protein 8C

Gene ID [84230](#)

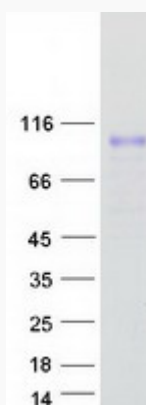
mRNA Refseq [NM_032270](#)

Protein Refseq [NP_115646](#)

MIM [612889](#)

UniProt ID [Q8TDW0](#)

SDS-PAGE



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