Recombinant Mouse Lrrc8c Protein, MYC/DDK-tagged

Cat. No. Lrrc8c-162M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse leucine rich repeat containing 8 family, member C (Lrrc8c), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
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. May play a role in adipogenesis.
Molecular Mass	92.8 kDa
Purity	>80%, as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 ug/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Lrrc8c leucine rich repeat containing 8 family, member C [Mus musculus (house mouse)]
Official Symbol	Lrrc8c
Synonyms	Lrrc8c; leucine rich repeat containing 8 family, member C; AD158; fad158; AI326115; E430036I04Rik; volume-regulated anion channel subunit LRRC8C; factor for adipocyte differentiation 158; leucine-rich repeat-containing protein 8C
Gene ID	100604
mRNA Refseq	NM_133897
Protein Refseq	NP_598658
UniProt ID	Q8R502

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