

Product datasheet for TP510745

Lrrc8c (NM_133897) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse leucine rich repeat containing 8 family, member C (Lrrc8c), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210745 representing NM_133897 Red=Cloning site Green=Tags(s)

MIPVTEFRQFSEQQPAFRVLKPWWVDVFTDYLSVAMLMIGVFGCTLQVMQDKIICLPKRVQPAQNHSSVFN
VSQAVISTTPLPPPKPSPTNPATVEMKGLKTDLDLQYSFNQMCYERALHWYAKYFPYLVIHLTLVFM
CSNFWFKFPGSSKIEHFISILGKCFDSPWTRALSEVSGEDSEEKDNKNNMNRSGTIQSGPEGNLVRS
QSLKSIPEKFVVDKSAAGALDKKEGEQAKALFEKVKKFRHLHVEEGDILYAMYVRQTVLKVIFLIIAYN
SALVSKVQFTVDCNVDIQDMTGYKNFSCNHTMAHLFSKLSFCYLCFVSIYGLTCLYTLWLFYRSLREYS
FEYVRQETGIDDIPDVKNDFAFMLHMIDQYDPLYSKRFVFLSEVSENKLNLNNEWTPDKLRQKLQT
NAHNRELPLIMLSGLPDTVFEITELQSLKLEIKNVMIPATIAQLDNLQELCLHQCSVKIHSAAALSFLK
ENLKVLSVKFDDMRELPPWMYGLRNLEELYLVGSLSHDISKNVTLESRLDKSLKILSIKSNVSKIPQAV
VDVSSHLQKMCVHNDGTLKMLNLLKMTNLTELELVHCDLERIPHAVFSLLSLQELDLKNNLKSIEEI
VSFQHLRKLTVLKLWYNSIAYIPEHIKLTSLERLFFSHNKVEVLP SHLFLCNKIRYLDLSYNDIRFIPP
EIGVLQSLQYFSITCNKVESLPDELYFCKKLTGKIGKNSLSVLSPKIGNLLFLSYLDIKGNHFEVLPPE
LGDCRALKRARLVVEDALFETLPSDVREQMKAD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	92.8 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
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.



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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_598658
Locus ID:	100604
UniProt ID:	Q8R502
RefSeq Size:	2829
Cytogenetics:	5 E5
RefSeq ORF:	2409
Synonyms:	AD158; AI326115; E430036I04Rik; fad158
Summary:	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 (PubMed:29769723). 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 (By similarity). May play a role in adipogenesis (PubMed:15564382, PubMed:15184384, PubMed:21804215).[UniProtKB/Swiss-Prot Function]