

Product datasheet for PH322603

LRR8C (NM_032270) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LRR8C MS Standard C13 and N15-labeled recombinant protein (NP_115646)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222603
Predicted MW:	92.4 kDa
Protein Sequence:	>RC222603 protein sequence Red=Cloning site Green=Tags(s)

MIPVTEFRQFSEQQPAFRVLKPVWVDFTDYLSVAMLMIGVFGCTLQVMQDKIICLPKRVQPAQNHSSLN
VSQAVASTTPLPPPSPANPITVEMKGLKTDLDLQQYSFINQMCYERALHWYAKYFPYLVIHTLVFML
CSNFWFKFPGSSSKIEHFISILGKCFDSPWTRALSEVSGEDSEEKDNRKNMNRSNTIQSGPEGSLVNS
QSLKSIPEKFVVDKSTAGALDKKEGEQAKALFEKVKKFRLHVEEGDILYAMYVRQTVLKVIKFLIIAYN
SALVSKVQFTVDCNVDIQDMTGYKNFSCNHTMAHLFSKLSFCYLCFVSIYGLTCLYTLWLFYRSLREYS
FEYVRQETGIDDIPDVKNDFAFMLHMIDQYDPLYSKRFAVFLSEVSENKQLNLNNEWTPDKLRQKLQT
NAHNRLLEPLIMLSGLPDTVFEITELQSLKLEIKNVMIPATIAQLDNLQELSLHQCSVKIHSAAFLK
ENLKVLSVKFDDMRELPPWYGLRNLEELYLVGSLSHDISRNVTLSESLDLKSLKILSIKSNVSKIPQAV
VDVSSHLQKMCIHNDGTLVMLNNLKKMTNLTELELVHCDLERIPHAVFLLSLQELDLKENNLKSIIEI
VSFQHLRKLTVLKLWHNSITYIPEHIKLTSLERLSFSHNKIEVLPShLFLCNKIRYLDLSYNDIRFIPP
EIGVLQSLQYFSITCNKVESLPDELYFCKKLTLLKIGKNSLSVLSPKIGNLLFLSYLDVKGNHFEILPPE
LGDCRALKRAGLVVEDALFETLPSDVREQMKTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_115646



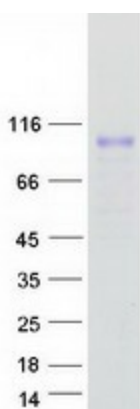
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RefSeq Size: 7207
RefSeq ORF: 2409
Synonyms: AD158; FAD158
Locus ID: 84230
UniProt ID: [Q8TDW0](#)
Cytogenetics: 1p22.2

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. 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. [UniProtKB/Swiss-Prot Function]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified LRRC8C protein (Cat# [TP322603]). The protein was produced from HEK293T cells transfected with LRRC8C cDNA clone (Cat# [RC222603]) using MegaTran 2.0 (Cat# [TT210002]).