

Product datasheet for TP326214

LRR8D (NM_001134479) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human leucine rich repeat containing 8 family, member D (LRR8D), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC226214 protein sequence Red=Cloning site Green=Tags(s)

MFTLAEVASLNDIQPTYRILKPWWDFVMDYLAVMLMVAIFAGTMQLTKDQWCLPVLPSVNSKAHTPP
GNAEVTTNIPKMEAATNQDQDGRRTNDISFGTSAVTPDIPLRATYPRDFALPNQEAKKEKDPTGRKTN
LDFQQYVFQINQMCYHLALPWYSKYFPYLALIHTIILMVSSNFWFKYPKTCCKVEHFVSILGKCFESPWTT
KALSETACEDSEENKQRITGAQTLPKHVSTSSDEGSPSASTPMINKTGFKFSAEKPVIEVPSMTILDKKD
GEQAKALFEKVRKFAHVEDSDLIYKLYVQTVIKTAKFIFILCYTANFVNAISFEHVCKPKVEHLIGYE
VFECTHNMAYMLKLLISYISIIICVYGFICLYTLFWLFRIPLKEYSFEKVRRESSFSIDIPDVKNDFALL
HMVDQYDQLYSKRFVFLSEVSENKLEISLNHEWTFEKLQRHISRNAQDKQELHLFMSLGVDPDAVFDLT
DLVLLKLELIPEAKIPAKISQMTNLQELHLCHCPAKVEQTAFSFLRDHLRCLHVKFTDVAEIPAWVYLLK
NLRELYLIGNLNSENNKMIGLESRLRHLKILHVKSNTKVPNSITDVAPHLTKLVIHNDGKLLVLNS
LKKMMNVAEELQNCCELERIPHAIFSLSNLQELDLKSNNIRTIEEISFQHLKRLTCLKLWHNKIVTIPP
SITHVKNLESYFSNNKLES LPVAVFSLQKLRCLDVSNNISMPIEIGLLQNLQHLHITGNKVDILPKQ
LFKCIKRLTLNLGQNCITSLPEKVGQLSQTLELKGNCCLDRLPAQLGQCRMLKKSGLVVEDHLFDLPL
EVKEALNQDINIPFANGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	98 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
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



[View online »](#)

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.

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_001127951](#)

Locus ID: 55144

UniProt ID: [Q7L1W4](#), [B3KRU1](#)

RefSeq Size: 3795

Cytogenetics: 1p22.2

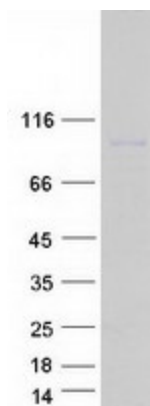
RefSeq ORF: 2574

Synonyms: LRRC5

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:24790029, PubMed:26530471, PubMed:26824658, PubMed:28193731). The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine (PubMed:24790029, PubMed:26824658, PubMed:28193731). Plays a redundant role in the efflux of amino acids, such as aspartate, in response to osmotic stress (PubMed:28193731). Channel activity requires LRRC8A plus at least one other family member (LRRC8B, LRRC8C, LRRC8D or LRRC8E); channel characteristics depend on the precise subunit composition (PubMed:24782309, PubMed:24790029, PubMed:26824658, PubMed:28193731). LRRC8A and LRRC8D are required for the uptake of the drug cisplatin (PubMed:26530471). Mediates the import of the antibiotic blasticidin-S into the cell (PubMed:24782309).[UniProtKB/Swiss-Prot Function]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified LRRC8D protein (Cat# TP326214). The protein was produced from HEK293T cells transfected with LRRC8D cDNA clone (Cat# [RC226214]) using MegaTran 2.0 (Cat# [TT210002]).