

Product datasheet for PH315558

C18orf1 (LDLRAD4) (NM_181483) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | C18orf1 MS Standard C13 and N15-labeled recombinant protein (NP_852148) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC215558 |
| Predicted MW: | 25.6 kDa |
| Protein Sequence: | >RC215558 representing NM_181483 Red=Cloning site Green=Tags(s) MAAELEFAQIIIIIVVVVTVMVVVIVCLLNHYKVSTRSFINRPNQSRREDGLPQIMHAPRSRDRFTAPSF IQRDRFSRFQPTYPYVQHEIDLPTISLSDGEEPPPYQGCTQLLRDPEQQMELNRESVRAPPNRTIFDS DLIDIAMYSGGPCPPSSNSGISASTCSSNGRMGPPPTYSEVMGHHPGASFLHHQRSNAHRGSRLQFQQN NAESTIVPIK GKDRKPGNLV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| 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_852148 |
| RefSeq Size: | 8031 |
| RefSeq ORF: | 690 |
| Synonyms: | C18orf1 |
| Locus ID: | 753 |
| UniProt ID: | O15165 |



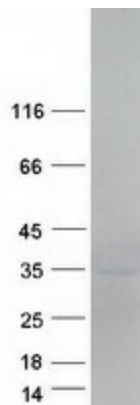
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Cytogenetics: 18p11.21

Summary: Functions as a negative regulator of TGF-beta signaling and thereby probably plays a role in cell proliferation, differentiation, apoptosis, motility, extracellular matrix production and immunosuppression. In the canonical TGF-beta pathway, ZFYVE9/SARA recruits the intracellular signal transducer and transcriptional modulators SMAD2 and SMAD3 to the TGF-beta receptor. Phosphorylated by the receptor, SMAD2 and SMAD3 then form a heteromeric complex with SMAD4 that translocates to the nucleus to regulate transcription. Through interaction with SMAD2 and SMAD3, LDLRAD4 may compete with ZFYVE9 and SMAD4 and prevent propagation of the intracellular signal.[UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified LDLRAD4 protein (Cat# [TP315558]). The protein was produced from HEK293T cells transfected with LDLRAD4 cDNA clone (Cat# [RC215558]) using MegaTran 2.0 (Cat# [TT210002]).