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Product datasheet for SC329766

CD73 (NT5E) (NM_001204813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CD73 (NT5E) (NM_001204813) Human Untagged Clone
Tag:	Tag Free
Symbol:	CD73
Synonyms:	CALJA; CD73; E5NT; eN; eNT; NT; NT5; NTE
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329766 representing NM_001204813. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGTGTCCCCGAGCCGCGCGGGCGCCCGCGACGCTACTCCTCGCCCTGGGCGCGGTGCTGTGGCCTGCG GCTGGCGCCTGGGAGCTTACGATTTTGCACACCAACGACGTGCACAGCCGGCTGGAGCAGACCAGCGAG GACTCCAGCAAGTGCGTCAACGCCAGCCGCTGCATGGGTGGCGTGGCTCGGCTCTTCACCAAGGTTCAG CAGATCCGCCGCGCCGAACCCAACGTGCTGCTGCTGGACGCCGGCGACCAGTACCAGGGCACTATCTGG TTCACCGTGTACAAGGGCGCCGAGGTGGCGCACTTCATGAACGCCCTGCGCTACGATGCCATGGCACTG GGAAATCATGAATTTGATAATGGTGTGGAAGGACTGATCGAGCCACTCCTCAAAGAGGCCAAATTTCCA ATTCTGAGTGCAAACATTAAAGCAAAGGGGCCACTAGCATCTCAAATATCAGGACTTTATTTGCCATAT AAAGTTCTTCCTGTTGGTGATGAAGTTGTGGGAATCGTTGGATACACTTCCAAAGAAACCCCTTTTCTC TCAAATCCAGGGACAAATTTAGTGTTTGAAGATGAAATCACTGCATTACAACCTGAAGTAGATAAGTTA AAAACTCTAAATGTGAACAAAATTATTGCACTGGGACATTCGGGTTTTGAAATGGATAAACTCATCGCT CAGAAAGTGAGGGGTGTGGACGTCGTGGTGGGAGGACACTCCAACACATTTCTTTACACAGGCAATCCA CCTTCCAAAGAGGTGCCTGCTGGGAAGTACCCATTCATAGTCACTTCTGATGATGGGCGGAAGGTTCCT GTAGTCCAGGCCTATGCTTTTGGCAAATACCTAGGCTATCTGAAGATCGAGTTTGATGAAAGAGGAAAC GTCATCTCTTCCCATGGAAATCCCATTCTTCTAAACAGCAGCATTCCTGAAGATCCAAGCATAAAAGCA GACATTAACAAATGGAGGATAAAATTGGATAATTATTCTACCCAGGAATTAGGGAAAACAATTGTCTAT CTGGATGGCTCCTCTCAATCATGCCGCTTTAGAGAATGCAACATGGGCAACCTGATTTGTGATGCAATG ATTAACAACAACCTGAGACACACGGATGAAATGTTCTGGAACCACGTATCCATGTGCATTTTAAATGGA GGTGGTATCCGGTCGCCCATTGATGAACGCAACAATGGAATCCATGTGGTGTATGATCTTTCCCGAAAA CCTGGAGACAGAGTAGTCAAATTAGATGTTCTTTGCACCAAGTGTCGAGTGCCCAGTTATGACCCTCTC AAAATGGACGAGGTATATAAGGTGATCCTCCCAAACTTCCTGGCCAATGGTGGAGATGGGTTCCAGATG ATAAAAGATGAATTATTAAGACATGACTCTGGTGACCAAGATATCAACGTGGTTTCTACATATATCTCC AAAATGAAAGTAATTTATCCAGCAGTTGAAGGTCGGATCAAGTTTTCCACAGGAAGTCACTGCCATGGA AGCTTTTCTTTAATATTTCTTTCACTTTGGGCAGTGATCTTTGTTTTATACCAATAG
Restriction Sites:	SgfI-MluI
ACCN:	NM_001204813
Insert Size:	1575 bp

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001204813.1
RefSeq Size:	3936 bp
RefSeq ORF:	1575 bp
Locus ID:	4907
UniProt ID:	P21589
Cytogenetics:	6q14.3
Protein Families:	ES Cell Differentiation/IPS, Transmembrane
Protein Pathways:	Metabolic pathways, Nicotinate and nicotinamide metabolism, Purine metabolism, Pyrimidine metabolism
MW:	57.9 kDa
Gene Summary:	The protein encoded by this gene is a plasma membrane protein that catalyzes the conversion of extracellular nucleotides to membrane-permeable nucleosides. The encoded protein is used as a determinant of lymphocyte differentiation. Defects in this gene can lead to the calcification of joints and arteries. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Mar 2011] Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.

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