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Product datasheet for SC332504

ITCH (NM_001257137) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITCH (NM_001257137) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITCH
Synonyms:	ADMFD; AIF4; AIP4; NAPP1
Vector:	pCMV6-Entry (PS100001)

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Fully Sequenced ORF:

>SC332504 representing NM_001257137.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGTCTGACAGTGGATCACAACTTGGTTCAATGGGTAGCCTCACCATGAAATCACAGCTTCAGATCACT
GTCATCTCAGCAAAACTTAAGGAAAATAAGAAGAATTGGTTTGGACCAAGTCCTTACGTAGAGGTCACA
GTAGATGGACAGTCAAAGAAGACAGAAAAATGCAACAACACAAACAGTCCCAAGTGGAAGCAACCCCTT
ACAGTTATCGTTACCCCTGTGAGTAAATTACATTTTCGTGTGTGGAGTCACCAGACACTGAAATCTGAT
GTTTTGTTGGGAACTGCTGCATTAGATATTTATGAAACATTAAAGTCAAACAATATGAAACTTGAAGAA
GTAGTTGTGACTTTGCAGCTTGGAGGTGACAAAGAGCCAACAGAGACAATAGGAGACTTGTCAATTTGT
CTTGATGGGCTACAGTTAGAGTCTGAAGTTGTTACCAATGGTGAAACTACATGTTCAGAAAATGGGGTT
TCGCTCTGTTTGCCCAGGCTGGAGTGCAATAGTGCGATCTCGGCTCACTGCAACCTCTGCCTCCCGGGT
TTAAGTGATTCTCCTATCTCAGCCTCCCGAGTAGCTGGGTTTACAGGTGCTTCTCAGAATGATGATGGC
TCCAGATCCAAGGATGAAACAAGAGTGAGCACAAATGGATCAGATGACCCTGAAGATGCAGGAGCTGGT
GAAAATAGGAGAGTCAGTGGGAATAATTCTCCATCACTCTCAAATGGTGGTTTTAAACCTTCTAGACCT
CCAAGACCTTCACGACCACCACCACCCACCCCACGTAGACCAGCATCTGTCAATGGTTCACCATCTGCC
ACTTCTGAAAGTGATGGGTCTAGTACAGGCTCTCTGCCGCCGACAAATACAAATACAAATACATCTGAA
GGAGCAACATCTGGATTAATAATTCCTCTTACTATATCTGGAGGCTCAGGCCCTAGGCCATTAAATCCT
GTAACTCAAGCTCCCTTGCCACCTGGTTGGGAGCAGAGAGTGGACCAGCACGGGCGAGTTTACTATGTA
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AACCAGAGATTCATTTATGGGAATCAAGATTTATTTGCTACATCACAAAGTAAAGAATTTGATCCTCTT
GGTCCATTGCCACCTGGATGGGAGAAGAGAACAGACAGCAATGGCAGAGTATATTTCGTCAACCACAAC
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GCAAAGGTTCAGTATTTCCGGTTCTGGTGTCAGCAACTGGCCATGCCACAGCACATAAAGATTACAGTG
ACAAGAAAAACATTGTTTGAGGATTCCTTTCAACAGATAATGAGCTTCAGTCCCCAAGATCTGCGAAGA
CGTTTGTGGGTGATTTTTCCAGGAGAAGAAGGTTTAGATTATGGAGGTGTAGCAAGAGAATGGTTCTTT
CTTTTGTCACATGAAGTGTTGAACCCAATGTATTGCCTGTTTGAATATGCAGGGAAGGATAACTACTGC
TTGCAGATAAACCCCGCTTCTTACATCAATCCAGATCACCTGAAATATTTTCGTTTTATTGGCAGATTT
ATTGCCATGGCTCTGTTCCATGGGAAATTCATAGACACGGGTTTTTCTTTACCATTCTATAAGCGTATC
TTGAACAAACCAGTTGGACTCAAGGATTTAGAATCTATTGATCCAGAATTTTACAATTCTCTCATCTGG
GTTAAGGAAAACAATATTGAGGAATGTGATTTGGAAATGTACTTCTCCGTTGACAAAGAAATTCTAGGT
GAAATTAAGAGTCATGATCTGAAACCTAATGGTGGCAATATTCTTGTAACAGAAGAAAATAAAGAGGAA
TACATCAGAATGGTAGCTGAGTGGAGGTTGTCTCGAGGTGTTGAAGAACAGACACAAGCTTTCTTTGAA
GGCTTTAATGAAATTCTTCCCCAGCAATATTTGCAATACTTTGATGCAAAGGAATTAGAGGTCCTTTTA
TGTGGAATGCAAGAGATTGATTTGAATGACTGGCAAAGACATGCCATCTACCGTCATTATGCAAGGACC
AGCAAACAAATCATGTGGTTTTGGCAGTTTGTTAAAGAAATTGATAATGAGAAGAGAATGAGACTTCTG
CAGTTTGTTACTGGAACCTGCCGATTGCCAGTAGGAGGATTTGCTGATCTCATGGGGAGCAATGGACCA
CAGAAATTCTGCATTGAAAAAGTTGGGAAAGAAAATTGGCTACCCAGAAGTCATACCTGTTTTAATCGC
CTGGACCTGCCACCATACAAGAGCTATGAGCAACTGAAGGAAAAGCTGTTGTTTGCCATAGAAGAAACA
GAAGGATTTGGACAAGAGTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001257137

Insert Size: 2712 bp

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_001257137.1
RefSeq Size:	6535 bp
RefSeq ORF:	2712 bp
Locus ID:	83737
UniProt ID:	Q96J02
Cytogenetics:	20q11.22
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Endocytosis, Ubiquitin mediated proteolysis
MW:	102.8 kDa
Gene Summary:	This gene encodes a member of the Nedd4 family of HECT domain E3 ubiquitin ligases. HECT domain E3 ubiquitin ligases transfer ubiquitin from E2 ubiquitin-conjugating enzymes to protein substrates, thus targeting specific proteins for lysosomal degradation. The encoded protein plays a role in multiple cellular processes including erythroid and lymphoid cell differentiation and the regulation of immune responses. Mutations in this gene are a cause of syndromic multisystem autoimmune disease. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012] Transcript Variant: This variant (1) encodes the longest isoform (1). Both variants 1 and 4 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.