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Product datasheet for RC232961

HAS3 (NM_001199280) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HAS3 (NM_001199280) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HAS3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC232961 representing NM_001199280
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCCGGTGCAGCTGACGACAGCCCTGCGTGTGGTGGGCACCAGCCTGTTTGCCCTGGCAGTGCTGGGTG
GCATCCTGGCAGCCTATGTGACGGGCTACCAGTTCATCCACACGGAAAAGCACTACCTGTCCTTCGGCCT
GTACGGCGCCATCCTGGGCCTGCACCTGCTCATTCAGAGCCTTTTTGCCTTCCTGGAGCACCGGCGCATG
CGACGTGCCGGCCAGGCCCTGAAGCTGCCCTCCCCGCGGCGGGGCTCGGTGGCACTGTGCATTGCCGCGT
ACCAGGAGGACCCTGACTACTTGCGCAAGTGCCTGCGCTCGGCCCAGCGCATCTCCTTCCCTGACCTCAA
GGTGGTCATGGTGGTGGATGGCAACCGCCAGGAGGACGCCTACATGCTGGACATCTTCCACGAGGTGCTG
GGCGGCACCGAGCAGGCCGGCTTCTTTGTGTGGCGCAGCAACTTCCATGAGGCAGGCGAGGGTGAGACGG
AGGCCAGCCTGCAGGAGGGCATGGACCGTGTGCGGGATGTGGTGCGGGCCAGCACCTTCTCGTGCATCAT
GCAGAAGTGGGGAGGCAAGCGCGAGGTCATGTACACGGCCTTCAAGGCCCTCGGCGATTCGGTGGACTAC
ATCCAGGTGTGCGACTCTGACACTGTGCTGGATCCAGCCTGCACCATCGAGATGCTTCGAGTCCTGGAGG
AGGATCCCCAAGTAGGGGGAGTCGGGGGAGATGTCCAGATCCTCAACAAGTACGACTCATGGATTTCCTT
CCTGAGCAGCGTGCGGTACTGGATGGCCTTCAACGTGGAGCGGGCCTGCCAGTCCTACTTTGGCTGTGTG
CAGTGTATTAGTGGGCCCTTGGGCATGTACCGCAACAGCCTCCTCCAGCAGTTCCTGGAGGACTGGTACC
ATCAGAAGTTCCTAGGCAGCAAGTGCAGCTTCGGGGATGACCGGCACCTCACCAACCGAGTCCTGAGCCT
TGGCTACCGAACTAAGTATACCGCGCGCTCCAAGTGCCTCACAGAGACCCCCACTAAGTACCTCCGGTGG
CTCAACCAGCAAACCCGCTGGAGCAAGTCTTACTTCCGGGAGTGGCTCTACAACTCTCTGTGGTTCCATA
AGCACCACCTCTGGATGACCTACGAGTCAGTGGTCACGGGTTTCTTCCCCTTCTTCCTCATTGCCACGGT
TATACAGCTTTTCTACCGGGGCCGCATCTGGAACATTCTCCTCTTCCTGCTGACGGTGCAGCTGGTGGGC
ATTATCAAGGCCACCTACGCCTGCTTCCTTCGGGGCAATGCAGAGATGATCTTCATGTCCCTCTACTCCC
TCCTCTATATGTCCAGCCTTCTGCCGGCCAAGATCTTTGCCATTGCTACCATCAACAAATCTGGCTGGGG
CACCTCTGGCCGAAAAACCATTGTGGTGAACTTCATTGGCCTCATTCCTGTGTCCATCTGGGTGGCAGTT
CTCCTGGGAGGGCTGGCCTACACAGCTTATTGCCAGGACCTGTTCAGTGAGACAGAGCTAGCCTTCCTTG
TCTCTGGGGCTATACTGTATGGCTGCTACTGGGTGGCCCTCCTCATGCTATATCTGGCCATCATCGCCCG
GCGATGTGGGAAGAAGCCGGAGCAGTACAGCTTGGCTTTTGCTGAGGTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232961 representing NM_001199280
Red=Cloning site Green=Tags(s)

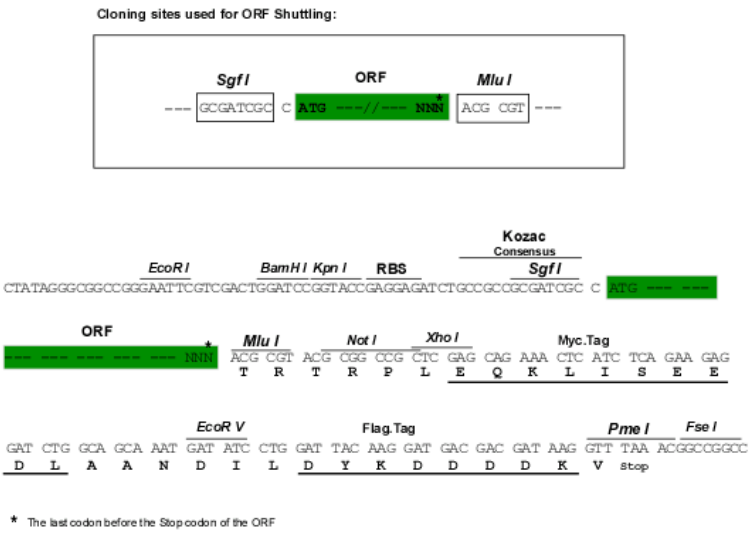
MPVQLTTALRVVGTSLFALAVLGGILAAYVTGYQFIHTEKHYLSFGLYGAILGLHLLIQSLFAFLEHRRM
RRAGQALKLPSPRRGSVALCIAAYQEDPDYLRKCLRSAQRISFPDLKVVMVVDGNRQEDAYMLDIFHEVL
GGTEQAGFFVWRSNFHEAGEGETEASLQEGMDRVRDVVRASTFSCIMQKWGGKREVMYTAFKALGDSVDY
IQVCDSDTVLDPACTIEMLRVLEEDPQVGGVGGDVQILNKYDSWISFLSSVRYWMAFNVERACQSYFGCV
QCISGPLGMYRNSLLQQFLEDWYHQKFLGSKCSFGDDRHLTNRVLSLGYRTKYTARSKCLTETPTKYLRW
LNQQTRWSKSYFREWLYNSLWFHKHHLWMTYESVVTGFFPFFLIATVIQLFYRGRIWNILLFLLTVQLVG
IIKATYACFLRGNAEMIFMSLYSLLYMSSLLPAKIFAIATINKSGWGTSGRKTIVVNFIGLIPVSIWVAV
LLGGLAYTAYCQDLFSETELAFLVSGAILYGCYWVALLMLYLAIIARRCGKKPEQYSLAFAEV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6501_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001199280

ORF Size: 1659 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001199280.1, NP_001186209.1

RefSeq Size: 4288 bp

RefSeq ORF: 1662 bp

Locus ID: 3038

UniProt ID: O00219

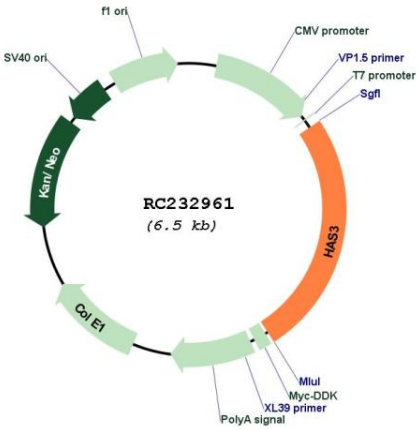
Cytogenetics: 16q22.1

Protein Families: Transmembrane

MW: 63 kDa

Gene Summary: The protein encoded by this gene is involved in the synthesis of the unbranched glycosaminoglycan hyaluronan, or hyaluronic acid, which is a major constituent of the extracellular matrix. This gene is a member of the NODC/HAS gene family. Compared to the proteins encoded by other members of this gene family, this protein appears to be more of a regulator of hyaluronan synthesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010]

Product images:



Circular map for RC232961