

The screenshot displays the Gene Advanced Search Builder interface. At the top, there's a search bar with the query "seq ccds"[Filter] AND #6 Filters: Current. Below the search bar, there's a table of search results. The table has columns for Search ID, Add to builder, Query, Items found, and Time. The results show four searches, with the first one being the current search. The search results table lists genes like HFE, HJV, and Hfe. The interface also includes a search bar, filters, and a history table.

Search	Add to builder	Query	Items found	Time
#7	<a href="#">Add</a>	Search "seq ccds"[Filter] AND #6 Filters: Current	5996	
#6	<a href="#">Add</a>	Search "has pseudogene"[Properties] Filters: Current	7484	16:23:16
#5	<a href="#">Add</a>	Search human[orgn] Filters: Current	63881	16:23:30
#1	<a href="#">Add</a>	Search hemochromatosis Schema: base Filters: Current	558	13:31:16

Full Report ▾

## HFE homeostatic iron regulator [ *Homo sapiens* (human) ]

Gene ID: 3077, updated on 26-Jul-2021

Send to: ▾

[Download Datasets](#)

**Summary**

**Official Symbol**

**Official Full Name**

**Primary source**

**See related**

**Gene type**

**RefSeq status**

**Organism**

**Lineage**

**Also known as**

**Summary**

**Expression**

**Orthologs**

**NEW**

**Table of contents**

- Summary
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- General gene information
- Markers, Clone Names, Homology, Gene Ontology
- General protein information
- NCBI Reference Sequences (RefSeq)
- Related sequences
- Additional links
- Locus-specific Databases

**Genome Browsers**

- Genome Data Viewer
- Variation Viewer (GRCh37.p13)
- Variation Viewer (GRCh38)
- 1000 Genomes Browser (GRCh37.p13)
- Ensembl
- UCSC

**Summary**

... Vertebrata; Euteleostomi; Mammalia; Eutheria; Euarchontoglires; Primates; ...

... the protein that is similar to MHC class I-type proteins and associates ...

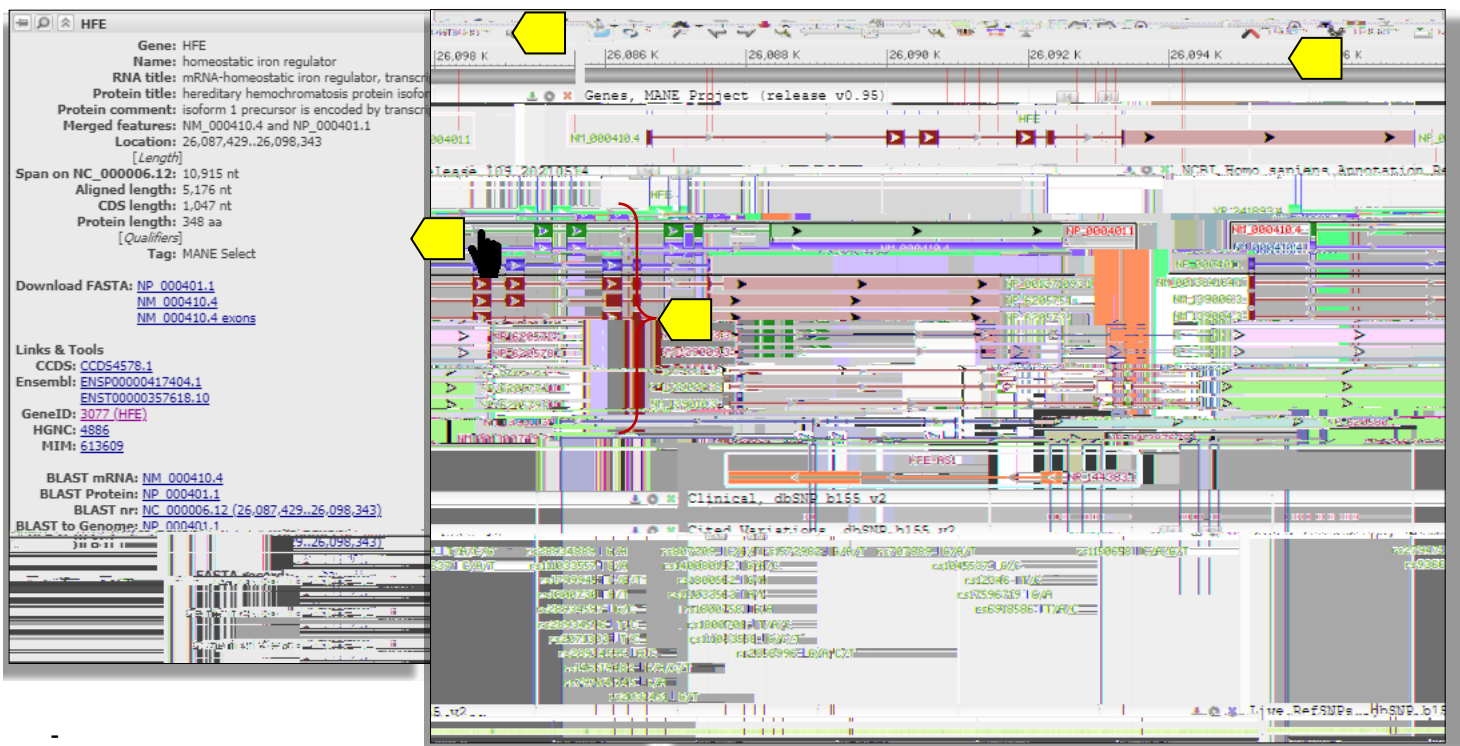
... that this protein functions to regulate iron absorption by regulating ...

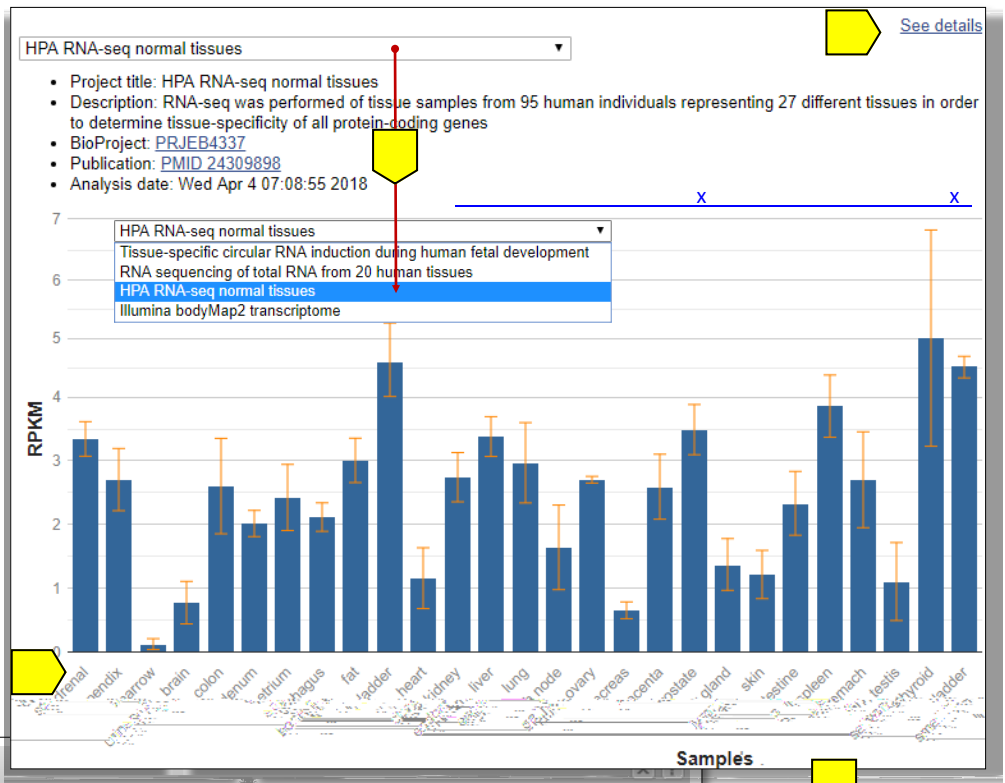
... the transferrin. The iron storage disorder, hereditary haemochromatosis, is a ...

... from defects in this gene. At least nine alternatively spliced variants have been ...

... nts have been found but their full-length nature has not been determined.

... small bladder (RPKM 4.6) and 24 other tissues [See more](#)





## Phenotypes

[BioGRID CRISPR Screen Phenotypes \(6 hits/1039 screens\)](#)

[Find tests for this gene in the NIH Genetic Testing Registry \(GTR\)](#)

[Association data in this region using PheGenI](#)

Items 1 - 20 of 30 < Prev Page 1 of 2 Next >

Tests

of red blood cell traits using the electronic medical record.

ntifies 22 loci associated with eight hematological parameters in

[Compare](#)  
[labs](#)

GeneReviews: [Alzheimer Disease Overview](#)

[Review eQTL and phenotype assoc](#)

Associated conditions

### Description

A genome-wide association study

GeneReviews: Not available

A genome-wide meta-analysis ide  
the HaemGen consortium.

GeneReviews: Not available

[Alzheimer disease](#)

MedGen: [C0002395](#), OMIM: [10430](#)

### Related information

Order cDNA clone

3D structures

BioAssay

BioAssay by Target (List)

BioAssay by Target (Summary)

BioAssay, by Gene target

BioAssays, RNAi Target, Tested

BioProjects

Books

CCDS

ClinVar

Conserved Domains

dbVar

Full text in PMC

Full text in PMC\_nucleotide

Gene neighbors

Genome

GEO Profiles

GTR

HomoloGene

Map Viewer

MedGen

Nucleotide

OMIM

Probe

Protein

PubChem Compound

PubChem Substance

PubMed

PubMed (GeneRIF)

PubMed (OMIM)

PubMed(nucleotide/PMC)

RefSeq Proteins

RefSeq RNAs

RefSeqGene

SNP

SNP: GeneView

Taxonomy

UniGene

Variation Viewer

Full Report

## HFE homeostatic iron regulator [ *Homo sapiens* (human) ]

Gene ID: 3077, updated on 26-Jul-2021

Summary

Send to:

Download Datasets

Choose Destination

File

Clipboard

Collections

Format

Gene Table (text)

Create File

Full Report (text)

Gene Table (text)

Summary (text)

Tabular (text)

ASN.1

XML

UI List

## HFE homeostatic iron regulator [ *Homo sapiens* (human) ]

Genomic Sequence

NC\_000006

Coordinate System

Genomic-based

Download Datasets

Gene ID: 3077, updated on 26-Jul-2021

Reference GRCh38.p13 Primary Assembly NC\_000006.12 from: 26087347 to: 26098343

Go to nucleotide: [Graphics](#) [FASTA](#) [GenBank](#)

Exon table for RefSeq RNA XR\_241893.4

Exon table for RefSeq mRNA NM\_000410.4 and protein NP\_000401.1 Interval (exons 5' to 3')

[Top of page](#) [Gene Table help](#)

mRNA: [XR\\_241893.4](#) NM\_000410.4 CDS: [NP\\_000401.1](#) Protein: [HFE](#)

## Homo sapiens chromosome 6, GRCh38.p7 Primary Assembly

NCBI Reference Sequence: NC\_000006.12

[GenBank](#) [Graphics](#)

```
>gi|568815592:26087281-26087516 Homo sapiens chromosome 6, GRCh38.p7 Primary Assembly
CTAAAGTTCTGAAAGACCTGTTGCTTTTCACCAAGGAAGTTTACTGGGCATCTCCTGAGCCTAGGCAATA
GCTGTAGGGTGACTTCTGGAGCCATCCCGTTTCCCGCCCCCAAGGAAGCGGAGATTTAACGGGGAC
GTGCGGCCAGAGCTGGGGAATGGGCCGCGAGCCAGGCCGGCGCTTCTCCTCTGATGCTTTTGACAGAC
CGCGGTCTCTGAGGGGCGCTTGCTGC
```