

Datasheet for ABIN7556743  
**IRX3 Protein (AA 1-507) (His tag)**



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## Overview

Quantity:	1 mg
Target:	IRX3
Protein Characteristics:	AA 1-507
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IRX3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Irx3 Protein expressed in mammalian cells.
Sequence:	<p>MSFPQLGYQY IRPLYPPERP GAAGGGGGGS SAGGRSGPGA GASELAASGS LSNVLSSVYG            APYAAAAAAA AAAQGYGAFL PYATELPIFP QLGAQYELKD SPGVQHPATA AAFPHHPAF            YPYGQYQFGD PSRPKNATRE STSTLKAWLN EHRKNPYPTK GEKIMLAIIT KMTLTQVSTW            FANARRRLKK ENKMTWAPRS RTDEEGNAYG SEREEEEEEE DEEESKRELE MEEEEELAGEE            EDTGGEGLAD DDEDEEIDLE NLDSAAAGSE LLAGAAHRN GDFGLGPISD CKTSDSDSDSS            EGLDRPLSV LSLAPPPPPV ARAPASPPSP PSSLDPCAPA PAPSSALQKP KIWSLAETAT            SPDNPRRSPP GAGGSPPGAA VAPPTLQLSP AAAAAAAAAAH RLVSAPLGKF PAWTNRPFPG            PPAGPRPHPL SMLGSAPQHL LGLPGAAGHP AAAAAAYARP AEPESGTDRC SALEVEKKLL            KTAFAQVPRR PQNHLDAAALV LSALSSS <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

isoform, please contact us regarding an individual offer.

### Characteristics:

#### Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

IRX3

### Alternative Name:

Irx3 ([IRX3 Products](#))

### Background:

Iroquois-class homeodomain protein IRX-3 (Homeodomain protein IRXB1) (Iroquois homeobox protein 3),FUNCTION: Transcription factor involved in SHH-dependent neural patterning (PubMed:10830170, PubMed:15201216). Together with NKX2-2 and NKX6-1 acts to restrict the generation of motor neurons to the appropriate region of the neural tube (PubMed:10830170, PubMed:15201216). Belongs to the class I proteins of neuronal progenitor factors, which are repressed by SHH signals (PubMed:10830170, PubMed:15201216). Involved in the transcriptional repression of MNX1 in non-motor neuron cells (PubMed:15201216). Acts as a regulator of energy metabolism (PubMed:24646999). {ECO:0000269|PubMed:10830170, ECO:0000269|PubMed:15201216, ECO:0000269|PubMed:24646999}.

### Molecular Weight:

52.7 kDa

### UniProt:

[P81067](#)

## Target Details

Pathways: [Tube Formation](#)

## Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months