

Datasheet for ABIN7561644
IRX5 Protein (AA 1-484) (His tag)



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Overview

Quantity:	1 mg
Target:	IRX5
Protein Characteristics:	AA 1-484
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IRX5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Irx5 Protein expressed in mammalian cells.
Sequence:	<p>MSYPQGYLYQ PSASLALYSC PAYSTSVISG PRTDELGRSS SGSAFSPYAG STAFTAPSPG YNSHLQYGAD PAAAAAAAFS YVGSPYDHTP GMAGSLGYHP YAAPLGSYPY GDPAYRKNAT RDATATLKAW LNEHRKNPYP TKGEKIMLAI ITKMTLTQVS TWFANARRRL KKENKMTWTP RNRSEDEEEE ENIDLEKNDE DEPQKPEDKG DLEGPESSGA EQKATAGCER LQGPLSPAGK ETEGSLSDSD FKESSESEGRH DELPRPPRAG ESSPAGPATA RLAEDAGPHY PASVPAPGPH PSAGELPPGS GGSSVIHSPP PPPPPPAVL AKPKLWLSLAE IATSSDKVKD GGGGSEGSPC PPCPGPMGGQ TLGGSRASPA PPARSPSAQ CFPGGTVLS RPLYTAPFY PGYTNYGSFG HLHGHPGPGP SPTAGPGSHF NGLNQTVLNR ADVLAKDPKM LRSQSQLDLC KDSPYELKKG MSDI 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.</p>

Product Details

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, Western Blot

Grade:

custom-made

Target Details

Target:

IRX5

Alternative Name:

Irx5 ([IRX5 Products](#))

Background:

Iroquois-class homeodomain protein IRX-5 (Homeodomain protein IRXB2) (Iroquois homeobox protein 5),FUNCTION: Establishes the cardiac repolarization gradient by its repressive actions on the KCND2 potassium-channel gene. Required for retinal cone bipolar cell differentiation. May regulate contrast adaptation in the retina and control specific aspects of visual function in circuits of the mammalian retina. Involved in craniofacial and gonadal development (By similarity). Modulates the migration of progenitor cell populations in branchial arches and gonads by repressing CXCL12. {ECO:0000250}.

Molecular Weight:

50.8 kDa

UniProt:

[Q9JKQ4](#)

Application Details

Application Notes:

In addition to the applications listed above we expect the protein to work for functional studies

Application Details

as well. 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
