

Datasheet for ABIN7563426
DBX1 Protein (AA 1-335) (His tag)



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Overview

Quantity:	1 mg
Target:	DBX1
Protein Characteristics:	AA 1-335
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DBX1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dbx1 Protein expressed in mammalian cells.
Sequence:	MMFPGLLAPP AGYPSLLRPT PTLTLPQSLQ SAFSGHSSFL VEDLIRISRP PTYLRSRIPA ASLSPPSQEA PAALADSGTS DLGSPGSGSR RGSSPQTALS PASEPTFLKF GVNAILSSAP RRETSPALLQ SPPPKTFAFP YFEGSFQPFY RSSYFPASSS VVPIPGTFSW PLAARGKPRR GMLRRAVFSD VQRKALEKTF QKQKYISKPD RKKLASKLGL KDSQVKIWFQ NRRMKWRNSK ERELLSSGGC REQLPTKLN PHPDLSVGVQ KGGPDEEEDN PGARLAYHAP ADPRHLLGEP LPASPAHSSS PGKPSDFSDS DEDEEGEEDE EITVS 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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:	DBX1
Alternative Name:	Dbx1 (DBX1 Products)
Background:	Homeobox protein DBX1 (Developing brain homeobox protein 1),FUNCTION: Could have a role in patterning the central nervous system during embryogenesis. Has a key role in regulating the distinct phenotypic features that distinguish two major classes of ventral interneurons, V0 and V1 neurons. Regulates the transcription factor profile, neurotransmitter phenotype, intraspinal migratory path and axonal trajectory of V0 neurons, features that differentiate them from an adjacent set of V1 neurons. {ECO:0000269 PubMed:11239429}.
Molecular Weight:	36.3 kDa
UniProt:	P52950

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