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NXT2 Human

NTF2-like Export Factor 2 Human Recombinant
RCP1547

Product Overview

Name	NXT2 Human
Description	
NTF2-like Export Factor 2 Human Recombinant	
Accession (Primary)	Q9NPJ8
Synonyms	
NTF2-related export protein 2, Protein p15-2, NXT2, BM-025, DC9, P15-2.	
Introduction	
Nuclear transport factor 2-like export factor 2 (NXT2) belongs to the NXT family proteins which are commonly involved in exporting nuclear RNA in eukaryotic cells. The NXT2 protein is a regulator of protein export for NES-containing proteins. In addition, NXT2 associates with NXF1, NXF2, NXF3 and NXF5 and has a role in mRNA nuclear export. NXT2 has a critical role in upholding morphogenetic integrity of embryonic heart in vertebrate species. The NXT2 protein contains a nuclear transport factor 2 (NTF2) domain, which has a vital role in the trafficking of macromolecules, ions, and small molecules between the cytoplasm and nucleus, it may also have a role in mRNA nuclear export.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
NXT2 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 40% glycerol and 200mM NaCl.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MRKYRS HWSQGDREGY QRRSNYYEGP HTSHSSPADR TREEVVTPTL PEHTATRSQM ATSLDFKTYV DQACRAAEEF VNIYYETMDK RRRALTRLYL DKATLIWNGN AVSGLDALNN FFDTLPSSEF QVNMLDCQPV HEQATQSQTT VLVVTSGTVK FDGNKQHFFN QNFLLTAQST PNNTVWKIAS	

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Precautions

NXT2 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9NPJ8)