

## Product datasheet for PH321343

### NXN (NM\_022463) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NXN MS Standard C13 and N15-labeled recombinant protein (NP_071908)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221343
Predicted MW:	48.2 kDa
Protein Sequence:	>RC221343 representing NM_022463 <span style="color: red;">Red</span> =Cloning site <span style="color: green;">Green</span> =Tags(s)

MSGFLEELLGEKLVTTGGGEEVDVHSLGARGISLLGLYFGCSLSAPCAQLSASLAIFYGRLRGDAAAGPGP  
 GAGAGAAAEPEPRRRLEIVFVSSDQDQRWQDFVRDMPWLALPYKEKHKRLKLWNKYRISNIPSLIFLDA  
 TTGKVVCRNGLLVIRDDPEGLEFPWGPKEFVREVIAGPLLRRNNGQSLESSLEGSHVGVYFSAHWCPPCR  
 LTRVLVESYRKIKEAGQNFEIIFVSADRSEESFKQYFSEMPWLAVPYTDEARRSRLNRLYGIQGIPTLIM  
 LDPQGEVITRQGRVEVLNDEDCREFFWHPKPVLELSDSNAQLNEGPCLVLFVDSDDGESEAAQLIQP  
 IAEKIIAKYKAKEEEAPLLFFVAGEDDMTSLRDYTNLPEAAPLLTILMSARAKYVMDVEEITPAIVEA  
 FVNDFLAEKLPKPEI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_071908</a></u>
RefSeq Size:	3004
RefSeq ORF:	1305
Synonyms:	NRX; RRS2; TRG-4


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**Locus ID:** 64359

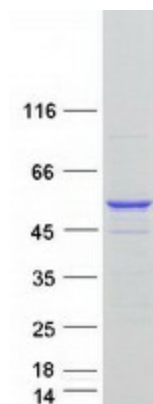
**UniProt ID:** [Q6DKJ4](#), [B4DXQ0](#)

**Cytogenetics:** 17p13.3

**Summary:** This gene encodes a member of the thioredoxin superfamily, a group of small, multifunctional redox-active proteins. Members of this family are characterized by a conserved active motif called the thioredoxin fold that catalyzes disulfide bond formation and isomerization. The encoded protein acts a redox-dependent regulator of the Wnt signaling pathway and is involved in cell growth and differentiation. [provided by RefSeq, Sep 2015]

**Protein Families:** Druggable Genome

## Product images:



Coomassie blue staining of purified NXN protein (Cat# [TP321343]). The protein was produced from HEK293T cells transfected with NXN cDNA clone (Cat# [RC221343]) using MegaTran 2.0 (Cat# [TT210002]).