

Product datasheet for PH325531

HMX3 (NM_001105574) Human Mass Spec Standard

Product data:

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| Product Type: | Mass Spec Standards |
| Description: | HMX3 MS Standard C13 and N15-labeled recombinant protein (NP_001099044) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC225531 |
| Predicted MW: | 37.6 kDa |
| Protein Sequence: | >RC225531 representing NM_001105574 Red=Cloning site Green=Tags(s) MPEPGDAAGTASAPQPPPPPPAPKESPFSSIKNLLNGDHRPPPKQPPPRTLFAPASAAAAAAAAA AAAKGALEGAAGFALSQVGDIAFPRFEIPAQRFALPAHYLERSPAWYYPYTLTPAGGHLPRPEASEKALL RDSSPASGTDRDSPEPLKADPDHKELDSKSPDEIILEESDSEESKKEGEAAPGAAGASVGAATAATPGAE DWKKGAEKPKPACRKKKTRTVFSRSQVFQLESTFDMKRYLSSSERAGLAASLHLETQVKIWFQNRN KWKQRQLAAELEAANLSHAAAQRIVRVPILYHENSAAEGAAAAAGAPVPSQPLLTFPHPVVYSHPVVSS VPLLRPV TRTRPLEQKLI SEEDLAANDILDYKDDDDKV |
| 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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: | NP_001099044 |
| RefSeq ORF: | 1071 |
| Synonyms: | NKX-5.1; Nkx5-1; NKX5.1 |
| Locus ID: | 340784 |
| UniProt ID: | A6NHT5 |

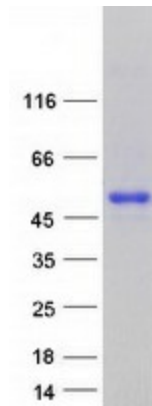


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Cytogenetics: 10q26.13

Summary: Transcription factor involved in specification of neuronal cell types and which is required for inner ear and hypothalamus development. Binds to the 5'-CAAGTG-3' core sequence. Controls semicircular canal formation in the inner ear. Also required for hypothalamic/pituitary axis of the CNS (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified HMX3 protein (Cat# [TP325531]). The protein was produced from HEK293T cells transfected with HMX3 cDNA clone (Cat# [RC225531]) using MegaTran 2.0 (Cat# [TT210002]).