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# Product datasheet for PH314822

## EIF4H (NM_022170) Human Mass Spec Standard

### Product data:

| | |
|---|---|
| **Product Type:** | Mass Spec Standards |
| **Description:** | EIF4H MS Standard C13 and N15-labeled recombinant protein (NP_071496) |
| **Species:** | Human |
| **Expression Host:** | HEK293 |
| **Expression cDNA Clone or AA Sequence:** | RC214822 |
| **Predicted MW:** | 27.2 kDa |
| **Protein Sequence:** | >RC214822 representing NM_022170<br>Red=Cloning site Green=Tags(s)<br><br>MADFDTYDDRAYSSFGGGRGSRGSAGGHGSRSQKELPTEPPYTAYVGNLPFNTVQGDIDAIFKDLSIRSV<br>RLVRDKDTDKFKGFCYVEFDEVDSLKEALTYDGALLGDRSLRVDIAEGRKQDKGGFGFRKGGPDDRGMGS<br>SRESRGGWDSRDDFNSGFRDDFLGGRGGSRPGDRRTGPPMGSRFRDGPPLRGSNMDFREPTEEERAQRPR<br>LQLKPRTVATPLNQVANPNSAIFGGARPREEVVQKEQE<br><br>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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_071496 |
| **RefSeq Size:** | 2546 |
| **RefSeq ORF:** | 744 |
| **Synonyms:** | eIF-4H; WBSCR1; WSCR1 |
| **Locus ID:** | 7458 |
| **UniProt ID:** | Q15056 |

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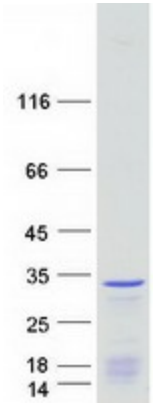
**Cytogenetics:** 7q11.23

**Summary:** This gene encodes one of the translation initiation factors, which functions to stimulate the initiation of protein synthesis at the level of mRNA utilization. This gene is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.23. Alternative splicing of this gene generates 2 transcript variants. [provided by RefSeq, Jul 2008]

## Product images:




Coomassie blue staining of purified EIF4H protein (Cat# [TP314822]). The protein was produced from HEK293T cells transfected with EIF4H cDNA clone (Cat# [RC214822]) using MegaTran 2.0 (Cat# [TT210002]).