

Product datasheet for PH307743

AHSP (NM_016633) Human Mass Spec Standard

Product data:

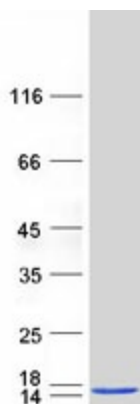
| | |
|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | AHSP MS Standard C13 and N15-labeled recombinant protein (NP_057717) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC207743 |
| Predicted MW: | 11.8 kDa |
| Protein Sequence: | >RC207743 protein sequence Red =Cloning site Green =Tags(s) MALLKANKDLISAGLKEFSVLLNQQVFNDPLVSEEDMVTVVEDWMNFYINYRQQVTGEPQERDKALQEL RQELNLANPFLAKYRDFLKSHELPSHPPSS 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_057717 |
| RefSeq Size: | 518 |
| RefSeq ORF: | 306 |
| Synonyms: | EDRF; ERAF |
| Locus ID: | 51327 |
| UniProt ID: | Q9NZD4 , Q549J4 |
| Cytogenetics: | 16p11.2 |



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Summary:

This gene encodes a molecular chaperone which binds specifically to free alpha-globin and is involved in hemoglobin assembly. The encoded protein binds to monomeric alpha-globin until it has been transferred to beta-globin to form a heterodimer, which in turn binds to another heterodimer to form the stable tetrameric hemoglobin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2015]

Product images:

Coomassie blue staining of purified AHSP protein (Cat# [TP307743]). The protein was produced from HEK293T cells transfected with AHSP cDNA clone (Cat# [RC207743]) using MegaTran 2.0 (Cat# [TT210002]).