

Product datasheet for PH318686

SEPTIN6 (NM_145800) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | SEPT6 MS Standard C13 and N15-labeled recombinant protein (NP_665799) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC218686 |
| Predicted MW: | 48.7 kDa |
| Protein Sequence: | >RC218686 representing NM_145800 Red=Cloning site Green=Tags(s) |

MAATDIARQVGEGRCTVPLAGHVGFDSLDPQLVNKSVSQGFCFNILCVGETGLGKSTLMDTLFNTKFEGE
 PATHTQPGVQLQSNTYDLQESNVRLLKLTIVSTVGFQDQINKEDSYKPIVEFIDAQFEAYLQEELKIRRVL
 HTYHDSRIHVCLYFIAPTGHSLKSLDLVTMKKLDKSVNIIPIIAKADAISKSELTKFKIKITSELVSNV
 QIYQFPTDDESVAEINGTMNAHLPFVAVIGSTEELKIGNKMMRARQYPWGTVQVENEAHCDFVKLREMLIR
 VNMEDLREQTHTRHYELYRCKLEEMGFKDTDPDSKPFSLQETYEAKRNEFLGELQKKEEEMRQMFVQRV
 KEKEAELKEAEKELHEKFDRLKKLHQDEKKLEDKKKSLDDEVNAFKQRKTAELLQSQGSQAGGSQTLK
 RDKEKKN

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- 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_665799 |
| RefSeq Size: | 2620 |
| RefSeq ORF: | 1281 |
| Synonyms: | SEP2; SEPT2; SEPT6 |



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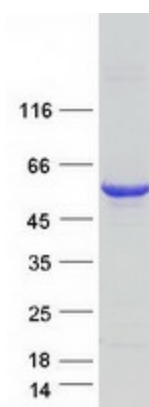
Locus ID: 23157

UniProt ID: [Q14141](#), [Q541S4](#)

Cytogenetics: Xq24

Summary: This gene is a member of the septin family of GTPases. Members of this family are required for cytokinesis. One version of pediatric acute myeloid leukemia is the result of a reciprocal translocation between chromosomes 11 and X, with the breakpoint associated with the genes encoding the mixed-lineage leukemia and septin 2 proteins. This gene encodes four transcript variants encoding three distinct isoforms. An additional transcript variant has been identified, but its biological validity has not been determined. [provided by RefSeq, Jul 2008]

Product images:



Coomassie blue staining of purified SEPTIN6 protein (Cat# [TP318686]). The protein was produced from HEK293T cells transfected with SEPTIN6 cDNA clone (Cat# [RC218686]) using MegaTran 2.0 (Cat# [TT210002]).