

## Recombinant Human APS protein, GST-tagged

**Cat. No.** APS-730H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human APS partial ORF ( NP_066189, 311 a.a. - 410 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | The protein encoded by this gene is expressed in B lymphocytes and contains pleckstrin homology and src homology 2 (SH2) domains. In Burkitt's lymphoma cell lines, it is tyrosine-phosphorylated in response to B cell receptor stimulation. Because it binds Shc independent of stimulation and Grb2 after stimulation, it appears to play a role in signal transduction from the receptor to the Shc/Grb2 pathway. [provided by RefSeq, Jun 2009] |
| <b>Molecular Mass</b>   | 36.74 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>AA Sequence</b>      | EEDTELSCTRGGCLASRVASCSCCELLTDAVDLPRPPETTAVGAVVTAPHSRGRDAV<br>RESLIHVPLETFLQTLESPGGSGSDSNNTGEQGAETDPEAEPEL                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array                                                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                                                                                                                                                                                             |

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**Storage Buffer** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name** SH2B2 SH2B adaptor protein 2 [ Homo sapiens ]

**Official Symbol** SH2B2

**Synonyms**

SH2B2; SH2B adaptor protein 2; SH2B adapter protein 2; adaptor protein with pleckstrin homology and src; APS; SH2 and PH domain-containing adapter protein APS; adapter protein with pleckstrin homology and Src homology 2 domains; adaptor protein with pleckstrin homology and src homology 2 domains;

**Gene ID** 10603

**mRNA Refseq** NM\_020979

**Protein Refseq** NP\_066189

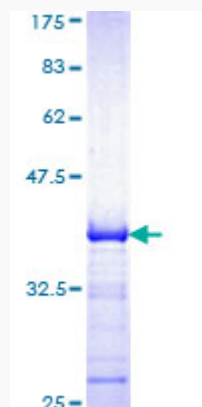
**MIM** 605300

**UniProt ID** O14492

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12.5% SDS-PAGE Stained with Coomassie Blue.

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