

## Product datasheet for **TP701128**

### SH2B3 Mutant (R262W) Human Recombinant Protein

#### Product data:

Product Type:	Mutant Proteins
Description:	Purified mutant recombinant protein of Human SH2B adaptor protein 3 (SH2B3), mutation at R262W
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC218359, encoding the full-length of SH2B3(R262W)
Tag:	Myc-DDK
Predicted MW:	63 kDa
Concentration:	>0.05 µg/µL as determined by microplate Bradford method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 12 months from receipt of products under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_005466.1</a>
Locus ID:	10019
RefSeq Size:	5423
Cytogenetics:	12q24.12
RefSeq ORF:	1725
Synonyms:	IDDM20; LNK



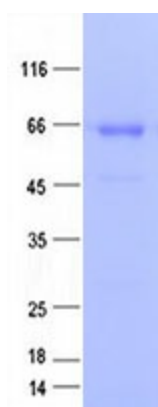
[View online »](#)

**Summary:**

This gene encodes a member of the SH2B adaptor family of proteins, which are involved in a range of signaling activities by growth factor and cytokine receptors. The encoded protein is a key negative regulator of cytokine signaling and plays a critical role in hematopoiesis. Mutations in this gene have been associated with susceptibility to celiac disease type 13 and susceptibility to insulin-dependent diabetes mellitus. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

**Protein Pathways:**

Neurotrophin signaling pathway

**Product images:**

Purified recombinant protein SH2B3 (R262W) was analyzed by SDS-PAGE gel and Coomassie Blue Staining.