

## Product datasheet for **TP762693**

### Rubicon (RUBCN) (NM\_014687) Human Recombinant Protein

#### Product data:

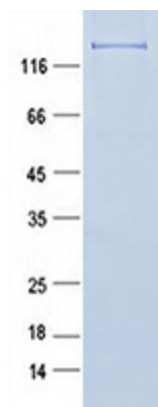
Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human KIAA0226 (KIAA0226), transcript variant 2
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region full length of KIAA0226
Tag:	N-GST and C-HIS
Predicted MW:	136.6 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell 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 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_055502</a>
Locus ID:	9711
UniProt ID:	<a href="#">Q92622</a> , <a href="#">Q8N4U6</a>
RefSeq Size:	6732
Cytogenetics:	3q29
RefSeq ORF:	2916
Synonyms:	KIAA0226; RUBICON; SCAR15



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**Summary:**

The protein encoded by this gene is a negative regulator of autophagy and endocytic trafficking and controls endosome maturation. This protein contains two conserved domains, an N-terminal RUN domain and a C-terminal DUF4206 domain. The RUN domain is involved in Ras-like GTPase signaling, and the DUF4206 domain contains a diacylglycerol (DAG) binding-like motif. Mutation in this gene results in deletion of the DAG binding-like motif and causes a recessive ataxia. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

**Product images:**

Purified recombinant protein KIAA0226 was analyzed by SDS-PAGE gel and Coomassie Blue Staining.