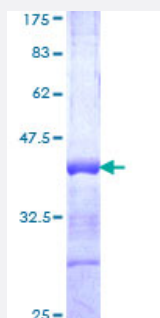


ROBO2 (Human) Recombinant Protein (Q01)

Catalog # H00006092-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human ROBO2 partial ORF (NP_002933, 441 a.a. - 540 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ATGDPLPVISWLKEGFTFPGRDPRATIQEQGTLQIKNLRISDTGTYTCVATSSSGETSWSAVLDDVT ESGATISKNYDLSDLPGPPSKPQVTDVTKNSVTL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — ROBO2

Entrez GeneID [6092](#)

GeneBank Accession# [NM_002942](#)

Protein Accession# [NP_002933](#)

Gene Name ROBO2

Gene Alias KIAA1568, SAX3

Gene Description roundabout, axon guidance receptor, homolog 2 (Drosophila)

Omim ID [602431 610878](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene belongs to the ROBO family, part of the immunoglobulin superfamily proteins that are highly conserved from fly to human. The encoded protein is a receptor for SLIT2, molecules known to function in axon guidance and cell migration. Defects in this gene are the cause of vesicoureteral reflux type 2. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]

Other Designations roundabout, axon guidance receptor, homolog 2

Pathway

- [Axon guidance](#)

Disease

- [Antisocial Personality Disorder](#)
- [Celiac Disease](#)
- [Conduct Disorder](#)
- [Diseases in Twins](#)
- [Genetic Predisposition to Disease](#)
- [Personality Assessment](#)
- [Psychometrics](#)
- [Schizophrenia](#)
- [Tobacco Use Disorder](#)
- [Vesico-Ureteral Reflux](#)