PRODUCT INFORMATION

Target	ROBO1
Synonyms	Deleted in U twenty twenty;H-Robo-1
Description	Recombinant human ROBO1 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9Y6N7
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	ROBO1(Gln26-Pro897) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 121.8 kDa after removal of the signal peptide. The apparent molecular mass of ROBO1-hFc is approximately 100-130 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	Bilateral symmetric nervous systems have special midline structures that establish a partition between the two mirror image halves. Some axons project toward and across the midline in response to long-range chemoattractants emanating from the midline. The product of this gene is a member of the immunoglobulin gene superfamily and encodes an integral membrane protein that functions in axon guidance and neuronal precursor cell migration. This receptor is activated by SLIT-family proteins, resulting in a repulsive effect on glioma cell guidance in the developing brain. A related gene is located at an adjacent region on chromosome 3. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Mar 2009]
Usage	Research use only
Conjugate	Unconjugated

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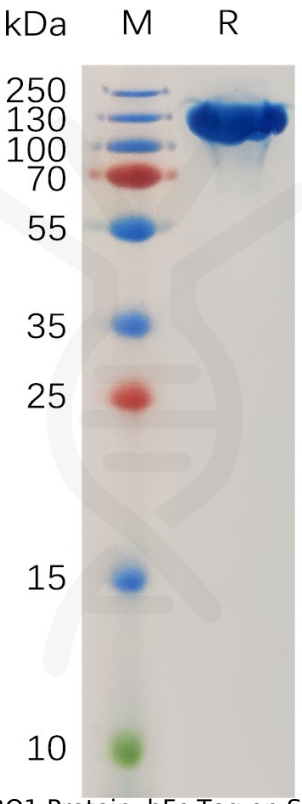


Figure 1. Human ROBO1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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